

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
December
2005

Arnold Schwarzenegger
Governor
State of California

Mike Chrisman
Secretary for Resources
The Resources Agency

Lester A. Snow
Director
Department of Water Resource

This monthly report of operational data for the State Water Project has been published since January 1965. Monthly SWP Operations Data Reports from January 1990 have been made available on the Internet at <http://wwwoco.water.ca.gov>. It provides the State Water Service Contractors, public agencies, consultants and others with the daily and monthly status of the Project's water and power operations.

Rewvisions to these data will appear in the Annual Report of Operations reflecting corrections made after the monthly summaries have been printed.

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The organization shown above represents staff and positions relevant to this report as of the publication date.
It is the Department's policy to not show staff in "Acting" or "Temporary" positions.

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of December 2005.

Statewide precipitation was about 145 percent of average for the 2005-2006 water year as of December 31. Statewide runoff was 195 percent of average for the water year. Precipitation percentages are used in this report to express historical and regional comparisons. Additional and more specific information is available via the internet at: <http://cdec.water.ca.gov/snow-rain.html>.

Late December storms brought 25 TAF of inflow and 20 TAF of storage to Upper Feather River Lakes. On December 31, 2005, total storage in major SWP reservoirs was about 4.66 MAF, compared with about 2.96 MAF at this time in 2004. The average storage in the major SWP reservoirs at the end of December is about 4.44 MAF. The December 31 storage at Lake Oroville was about 2.92 MAF as compared to 1.64 MAF at this same time in 2004. The State's share of San Luis Reservoir storage was about 1.17 MAF, as compared with 672 TAF at this time in 2004. On December 31, the combined storage in our southern reservoirs was about 566 TAF, compared with about 642 TAF at this time in 2004.

Through December, SWP water deliveries for 2005 were about 5.01 MAF. This is a combination of project, transfer, and exchange waters. This is 555 TAF more than delivered during the same period in 2004.

There were three earthquakes documented by DWR near Project facilities during the month of December. The largest was magnitude 4.1, occurring on December 2. The others, magnitude 3.8 and 3.1, occurred on December 8 and 16. No facilities were found to be in need of inspection.

The Coordinated Operations Agreement (COA) remained in "Balanced" conditions through December 19, 2005. On December 20, by mutual agreement, the United States Bureau of Reclamation and the California Department of Water Resources declared Excess Conditions in the Delta in accordance with Article 6(h) of the COA, with USBR-COA accounting suspended at 30,832 CFS. On December 25, the Agencies agreed that the accumulated USBR-COA account balance be eliminated because of flood control operations at Shasta Reservoir.

Table 1. Antelope Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 22,566 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage	Total Outflow		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Nov 30	4993.95	15,780									
1	4994.38	16,106	326	20	0	0	0	1	21	185	
2	4994.55	16,237	131	20	0	0	0	1	21	90	
3	4994.58	16,260	23	20	0	0	0	1	21	33	
4	4994.56	16,244	-16	20	0	0	0	1	21	13	
5	4994.55	16,237	-7	20	0	0	0	1	21	17	
6	4994.53	16,221	-16	20	0	0	0	1	21	13	
7	4994.53	16,221	0	20	0	0	0	1	21	21	
8	4994.49	16,191	-30	20	0	0	0	1	21	6	
9	4994.46	16,168	-23	20	0	0	0	1	21	10	
10	4994.42	16,137	-31	20	0	0	0	1	21	5	
11	4994.40	16,122	-15	20	0	0	0	1	21	13	
12	4994.37	16,099	-23	20	0	0	0	1	21	10	
13	4994.33	16,068	-31	20	0	0	0	1	21	5	
14	4994.29	16,038	-30	20	0	0	0	1	21	6	
15	4994.27	16,023	-15	20	0	0	0	1	21	13	
16	4994.24	16,000	-23	20	0	0	0	2	22	10	
17	4994.19	15,962	-38	20	0	0	0	2	22	3	
18	4994.28	16,030	68	20	0	0	0	2	22	56	
19	4994.38	16,106	76	20	0	0	0	2	22	60	
20	4994.44	16,152	46	20	0	0	0	2	22	45	
21	4995.03	16,607	455	20	0	0	0	2	22	251	
22	4996.59	17,847	1,240	20	0	0	0	2	22	647	
23	4997.29	18,421	574	20	0	0	0	2	22	311	
24	4997.58	18,662	241	20	0	0	0	2	22	144	
25	4997.80	18,846	184	20	0	0	0	2	22	115	
26	4998.06	19,065	219	20	0	0	0	2	22	130	
27	4998.25	19,225	160	20	0	0	0	2	22	103	
28	4999.20	20,042	817	20	0	0	0	2	22	434	
29	4999.61	20,400	358	20	0	0	0	2	22	203	
30	5000.63	21,314	914	20	0	0	0	2	22	483	
31	5003.21	23,704	2,390	20	0	0	194	2	216	1,421	
Total cfs-days				---	620	0	0	194	47	861	
Total ac-ft				7,924	1,230	0	0	385	94	1,709	
										9,633	

Table 2. Frenchman Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 55,477 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	1/ Water Supply Contract	Water Right				
Nov 30	5563.24	24,440								
1	5563.55	24,735	295	2	0	0	0	2	4 153	
2	5563.58	24,764	29	2	0	0	0	2	4 19	
3	5563.61	24,793	29	2	0	0	0	2	4 19	
4	5563.58	24,764	-29	2	0	0	0	2	4 -11	
5	5563.59	24,774	10	2	0	0	0	2	4 9	
6	5563.55	24,735	-39	2	0	0	0	2	4 -16	
7	5563.47	24,659	-76	2	0	0	0	2	4 -34	
8	5563.48	24,668	9	2	0	0	0	2	4 9	
9	5563.51	24,697	29	2	0	0	0	2	4 19	
10	5563.52	24,707	10	2	0	0	0	2	4 9	
11	5563.50	24,687	-20	2	0	0	0	2	4 -6	
12	5563.52	24,707	20	2	0	0	0	2	4 14	
13	5563.53	24,716	9	2	0	0	0	2	4 9	
14	5563.51	24,697	-19	2	0	0	0	2	4 -6	
15	5563.52	24,707	10	2	0	0	0	2	4 9	
16	5563.53	24,716	9	2	0	0	0	2	4 9	
17	5563.51	24,697	-19	2	0	0	0	2	4 -6	
18	5563.67	24,850	153	2	0	0	0	2	4 81	
19	5563.68	24,860	10	2	0	0	0	2	4 9	
20	5563.72	24,898	38	2	0	0	0	2	4 23	
21	5564.11	25,275	377	2	0	0	0	2	4 194	
22	5564.62	25,772	497	2	0	0	0	2	4 255	
23	5564.82	25,969	197	2	0	0	0	2	4 103	
24	5564.88	26,028	59	2	0	0	0	2	4 34	
25	5564.99	26,136	108	2	0	0	0	2	4 58	
26	5565.16	26,305	169	2	0	0	0	1	3 88	
27	5565.19	26,334	29	2	0	0	0	1	3 18	
28	5565.65	26,793	459	2	0	0	0	1	3 234	
29	5565.67	26,813	20	2	0	0	0	1	3 13	
30	5566.34	27,490	677	2	0	0	0	1	3 344	
31	5568.43	29,667	2,177	2	0	0	0	1	3 1,100	
Total cfs-days				---	62	0	0	56	118 2,753	
Total ac-ft				5,227	123	0	0	111	234 5,461	

1/ Last Chance Creek Water District

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow (cfs)	
				Regulated Release			Spill	Estimated Evaporation And Seepage		
				Stream-flow Maint.	Water Supply Contract	Water Right 1/				
Nov 30	5765.22	49,945								
1	5765.52	50,850	905	10	0	0.0	0	6	16	
2	5765.54	50,911	61	10	0	0.0	0	6	16	
3	5765.54	50,911	0	10	0	0.0	0	6	16	
4	5765.53	50,880	-31	10	0	0.0	0	6	16	
5	5765.53	50,880	0	10	0	0.0	0	6	16	
6	5765.52	50,850	-30	10	0	0.0	0	6	16	
7	5765.50	50,789	-61	10	0	0.0	0	6	16	
8	5765.50	50,789	0	10	0	0.0	0	6	16	
9	5765.50	50,789	0	10	0	0.0	0	6	16	
10	5765.48	50,729	-60	10	0	0.0	0	6	16	
11	5765.48	50,729	0	10	0	0.0	0	6	16	
12	5765.46	50,668	-61	10	0	0.0	0	6	16	
13	5765.46	50,668	0	10	0	0.0	0	6	16	
14	5765.46	50,668	0	10	0	0.0	0	6	16	
15	5765.45	50,638	-30	10	0	0.0	0	6	16	
16	5765.44	50,608	-30	10	0	0.0	0	6	16	
17	5765.44	50,608	0	10	0	0.0	0	6	16	
18	5765.58	51,032	424	10	0	0.0	0	6	16	
19	5765.65	51,245	213	10	0	0.0	0	6	16	
20	5765.66	51,276	31	10	0	0.0	0	5	15	
21	5765.91	52,041	765	10	0	0.0	0	5	15	
22	5766.26	53,124	1,083	10	0	0.0	0	5	15	
23	5766.28	53,186	62	10	0	0.0	0	5	15	
24	5766.32	53,311	125	10	0	0.0	0	5	15	
25	5766.36	53,436	125	10	0	0.0	0	5	15	
26	5766.47	53,780	344	10	0	0.0	0	5	15	
27	5766.48	53,811	31	55	0	0.0	0	5	60	
28	5766.79	54,789	978	100	0	0.0	0	5	105	
29	5766.76	54,694	-95	116	0	0.0	0	5	121	
30	5767.16	55,970	1,276	127	0	0.0	0	5	132	
31	5767.89	58,343	2,373	148	0	2.3	0	5	156	
Total cfs-days				---	806	0	2.3	0	174	
Total ac-ft				8,398	1,599	0	4.6	0	346	
									983	
									5,217	
									1,950	
									10,348	

1/ Includes unclassified non-project diversions to local agencies (Valberti and Romelli)

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537,580 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow						Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal 2/	Deliveries to Lime Saddle Marina	Evaporation 3/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 4/
Nov 30	835.28	2,615,679									
	1	837.90	2,649,289	33,610	11,128	6	0	18	0	11,152	0
	2	839.80	2,673,851	24,562	8,464	6	0	27	0	8,497	0
	3	840.37	2,681,249	7,398	5,452	6	0	27	0	5,485	0
	4	840.81	2,686,966	5,717	2,736	5	0	63	0	2,804	0
	5	840.91	2,688,267	1,301	6,180	5	0	54	0	6,239	0
	6	840.03	2,689,828	1,561	5,900	5	0	36	0	5,941	364
	7	840.59	2,684,106	-5,722	12,116	5	0	36	0	12,157	0
	8	840.17	2,679,172	-4,934	10,952	5	0	0	0	10,957	0
	9	840.26	2,679,820	648	5,653	5	0	72	0	5,730	0
	10	840.27	2,679,950	130	4,981	5	0	54	0	5,040	0
	11	840.30	2,680,340	390	4,964	5	0	54	0	5,023	0
	12	840.16	2,678,523	-1,817	7,732	6	0	0	0	7,738	0
	13	839.93	2,675,537	-2,986	9,522	6	0	36	0	9,564	0
	14	839.84	2,674,369	-1,168	6,934	6	0	27	0	6,967	0
	15	839.63	2,671,647	-2,722	8,517	6	0	18	0	8,541	0
	16	839.15	2,665,430	-6,217	10,843	6	0	27	0	10,876	0
	17	838.84	2,661,421	-4,009	8,490	6	0	9	0	8,505	0
	18	840.08	2,677,484	16,063	0	6	0	46	0	52	0
	19	842.15	2,704,431	26,947	8,976	6	0	54	0	9,036	0
	20	843.17	2,717,779	13,348	9,440	6	0	54	0	9,500	0
	21	844.92	2,740,787	23,008	10,856	6	0	0	0	10,862	0
	22	851.76	2,832,024	91,237	12,620	3	0	0	0	12,623	0
	23	853.46	2,855,027	23,003	22,772	0	0	37	13,388	36,197	0
	24	851.64	2,830,406	-24,621	21,796	0	0	28	34,876	56,700	0
	25	849.28	2,798,701	-31,705	21,713	0	0	37	58,795	80,545	0
	26	848.61	2,789,747	-8,954	22,423	0	0	0	40,083	62,506	0
	27	846.55	2,762,339	-27,408	24,673	0	0	92	40,599	65,364	0
	28	850.37	2,813,314	50,975	27,414	0	0	38	36,612	64,064	0
	29	849.88	2,806,738	-6,576	28,010	0	0	19	47,182	75,211	0
	30	849.14	2,796,829	-9,909	31,026	0	0	0	71,240	102,266	0
	31	858.55	2,924,684	127,855	7,558	0	0	0	118,202	125,760	0
Total				309,005	379,841	121	0	963	460,977	841,902	364
1/ Includes bypass flows											1,150,543

2/ South Feather Water and Power Agency

3/ Evaporation will be zero for days when there is precipitation or heavy overcast.

4/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Capacity: 25,120 ac-ft

Daily Operation
(in acre-feet except as noted)

December 2005

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County 4/	Thermalito Irrigation District	Releases To River 5/	Hyatt Powerplant Pumpback	
Nov 30	23,893										
1	23,811	-82	11,128	512	0	10,426	4	1	1,332	0	41
2	23,750	-61	8,464	512	0	7,682	4	1	1,321	0	-29
3	23,860	110	5,452	512	0	4,354	4	1	1,319	0	-176
4	24,090	230	2,736	512	0	1,682	4	1	1,315	0	-16
5	23,102	-988	6,180	512	0	6,234	4	1	1,313	0	-128
6	23,668	566	5,900	485	1,688	5,624	4	1	1,309	364	-205
7	24,037	369	12,116	515	0	10,854	4	1	1,309	0	-94
8	24,064	27	10,952	513	0	9,958	4	1	1,328	0	-147
9	24,194	130	5,653	512	0	4,520	4	1	1,307	0	-203
10	24,303	109	4,981	512	0	4,038	4	1	1,307	0	-34
11	24,241	-62	4,964	484	0	4,220	4	1	1,309	0	24
12	23,828	-413	7,732	513	0	7,358	4	1	1,307	0	12
13	23,544	-284	9,522	512	0	9,000	4	1	1,313	0	0
14	23,707	163	6,934	512	0	6,035	4	1	1,307	0	64
15	23,537	-170	8,517	402	0	7,865	4	1	1,307	0	88
16	23,860	323	10,843	513	0	9,588	4	1	1,342	0	-98
17	24,467	607	8,490	512	0	6,831	3	1	1,346	0	-214
18	24,073	-394	0	512	0	0	3	1	1,354	0	452
19	23,795	-278	8,976	513	0	8,768	3	1	1,352	0	357
20	23,988	193	9,440	511	0	8,514	3	1	1,334	0	94
21	24,057	69	10,856	513	0	10,146	3	1	1,348	0	198
22	23,566	-491	12,620	514	0	12,922	3	1	1,356	0	657
23	22,945	-621	36,160	513	0	24,622	3	0	10,893	0	-1,776
24	23,201	256	56,672	512	0	28,664	3	1	26,364	0	-1,896
25	22,712	-489	80,508	511	0	31,404	3	1	30,133	0	-19,967
26	22,779	67	62,506	511	0	30,012	3	0	31,918	0	-1,017
27	23,372	593	65,272	507	0	31,886	3	1	31,920	0	-1,376
28	22,942	-430	64,026	510	0	33,219	3	1	31,920	0	177
29	22,897	-45	75,192	510	0	32,662	3	0	41,639	0	-1,443
30	23,204	307	102,266	508	0	31,760	3	1	63,854	0	-6,849
31	23,094	-110	125,760	505	0	31,390	3	1	104,516	0	9,535
Total		-799	840,818	15,695	1,688	432,238	109	28	402,292	364	-23,969

1/ Sum of Thermalito Forebay and Diversion Pool.

4/ Includes 0 AF of entitlement water to Del Oro WD and 109 AF to Cal Water.

2/ Sum of releases from Lake Oroville through Hyatt plant, and spill.

5/ The sum of the flows from fish barrier dam and the fish hatchery.

3/ Includes Bypass flows at Thermalito.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Nov 30	132.09	39,448										
1	133.11	43,261	3,813	10,426	1,747	8	585	571	3,669	0	-33	5,023
2	133.37	44,259	998	7,682	1,751	8	563	549	3,669	0	-144	4,984
3	132.79	42,047	-2,212	4,354	1,745	8	545	551	3,669	0	-48	4,984
4	131.45	37,140	-4,907	1,682	1,747	8	549	549	3,669	0	-67	4,988
5	131.37	36,856	-284	6,234	1,747	8	547	551	3,669	0	4	4,980
6	130.58	34,106	-2,750	5,624	1,747	8	551	549	3,669	0	-1,850	5,053
7	131.84	38,539	4,433	10,854	1,779	12	555	580	3,669	0	174	5,057
8	132.65	41,521	2,982	9,958	1,795	19	555	611	3,669	0	-327	4,997
9	132.15	39,668	-1,853	4,520	1,791	20	530	589	3,669	0	226	4,990
10	131.39	36,927	-2,741	4,038	1,793	19	510	540	3,669	0	-248	4,995
11	130.71	34,552	-2,375	4,220	1,793	19	510	540	3,669	0	-64	5,005
12	130.86	35,069	517	7,358	1,755	19	516	581	3,669	0	-301	4,995
13	131.54	37,460	2,391	9,000	1,736	18	490	611	3,669	0	-85	4,995
14	131.30	36,608	-852	6,035	1,736	18	474	647	3,689	0	-323	5,031
15	131.65	37,854	1,246	7,865	1,718	10	472	668	3,669	0	-82	5,037
16	132.46	40,812	2,958	9,588	1,714	5	478	617	3,669	0	-147	5,097
17	132.55	41,148	336	6,831	1,716	5	480	571	3,669	0	-54	5,091
18	131.10	35,905	-5,243	0	1,712	5	470	567	3,669	0	1,180	5,033
19	131.68	37,962	2,057	8,768	1,714	5	428	514	3,669	0	-381	4,995
20	132.43	40,701	2,739	8,514	1,670	5	407	456	3,669	0	432	4,988
21	133.56	44,995	4,294	10,146	1,617	5	411	432	3,669	0	282	4,993
22	133.78	45,854	859	12,922	1,615	5	375	377	8,965	0	-726	10,323
23	130.73	34,621	-11,233	24,622	1,611	5	351	329	31,141	0	-2,418	32,485
24	128.00	25,831	-8,790	28,664	1,615	6	349	329	33,918	0	-1,237	35,237
25	127.69	24,910	-921	31,404	1,617	5	349	333	29,951	0	-70	31,275
26	127.53	24,441	-469	30,012	1,621	6	351	337	27,967	0	-199	29,290
27	128.25	26,585	2,144	31,886	1,581	6	359	313	27,967	0	484	29,301
28	129.39	30,154	3,569	33,219	1,486	6	361	194	27,967	0	364	29,305
29	130.27	33,055	2,901	32,662	1,438	6	360	99	27,967	0	109	29,291
30	130.31	33,190	135	31,760	1,384	5	360	69	31,339	0	1,532	32,671
31	129.72	31,227	-1,963	31,390	1,188	2	359	46	31,934	0	176	31,934
Total		-8,221	432,238	51,680	284	14,200	14,270	356,185	0	-3,841	396,423	

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

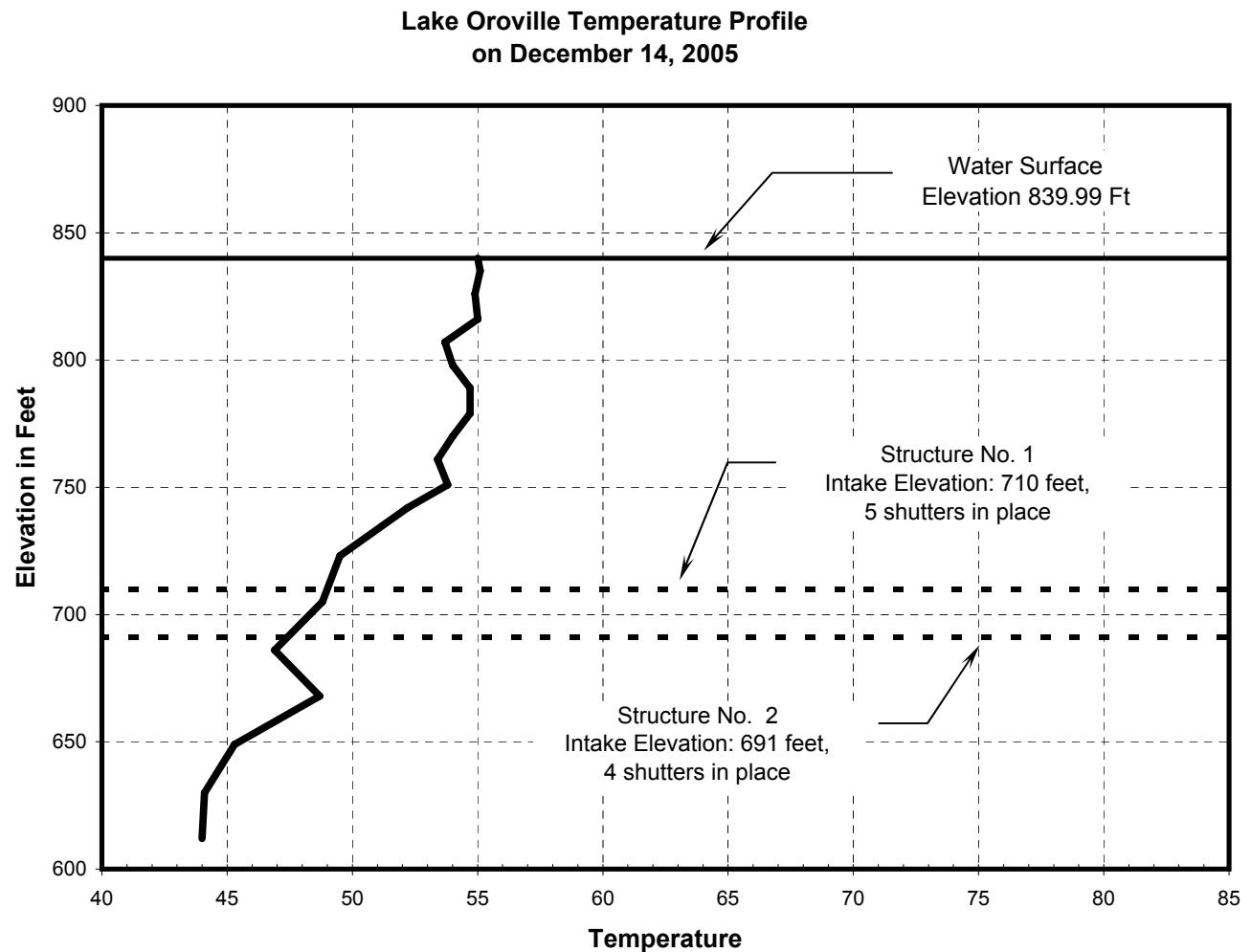
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

December 2005

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	48	51
2	49	50
3	48	51
4	47	50
5	47	49
6	47	48
7	47	49
8	48	50
9	48	50
10	48	49
11	48	49
12	48	48
13	48	49
14	48	49
15	48	49
16	47	49
17	46	49
18	46	48
19	47	49
20	48	49
21	48	49
22	50	48
23	51	49
24	51	52
25	52	52
26	52	51
27	51	52
28	51	51
29	50	51
30	50	50
31	50	48



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Mile			Table A Amount		Permit	Article 21		
	No.	Structure				M & I	Benicia				
1	1	Barker Slough Pumping Plant	0.17	(Into the North Bay Aqueduct)	2,546	110	110	110	110		
		Travis Surge Tank	8.78								
			8.80	Solano County Water Agency Travis AFB	110						
			10.54	Solano County Water Agency Fairfield / Vacaville 24"	0						
				Solano County Water Agency Fairfield / Vacaville 42"	0						
			17.00	Solano County Water Agency Central Solano	Stub						
2	3A	Cordelia Forebay	21.23			705	1/ 214	534	534		
		Cordelia Pumping Plant & Cordelia Spillway	21.30		2,344						
3B	2	Napa Pipeline	21.33	Solano County Water Agency Vallejo	748	705	705	705	705		
				Solano County Water Agency Benicia	705						
		Cordelia Surge Tank	23.33								
		Creston Surge Tank Connection	25.65								
			26.95	Napa County Flood Control & WCD American Canyon 2	0	713	713	713	713		
			27.27	Napa County Flood Control & WCD American Canyon 3	0						
		Napa Terminal Tank	27.58	City of Napa	713						
			27.60	Napa County Flood Control & WCD American Canyon 1	178						

1/ Includes 13 AF of Napa Co. FC&WCD Entitlement through Solano Co.'s turnout (Reach 3A) for delivery to American Canyon and 201 AF of Solano Co. WA Entitlement to the City of Vallejo.

Table 9. Delta Field Division Plant Data

(in acre-feet)

December 2005

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct			
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant		
			Total	SWP		Into Lake	Into Aqueduct	Gravity Flow Through Plant Into Aqueduct
1	104	94	8,689	8,689	352	0	0	0
2	100	90	8,762	8,762	378	0	0	0
3	112	106	8,762	8,762	378	0	0	0
4	125	123	6,545	6,545	298	0	0	0
5	112	104	8,711	8,711	251	0	0	0
6	104	96	10,916	10,916	228	0	0	0
7	107	97	13,673	13,673	240	0	0	4
8	101	93	13,116	13,116	216	0	0	0
9	102	95	13,069	13,069	222	0	0	0
10	104	100	13,069	13,069	244	0	0	0
11	102	98	13,072	13,072	223	0	0	0
12	92	85	13,147	13,147	220	0	0	0
13	90	83	12,092	12,092	225	0	0	0
14	89	80	12,001	12,001	232	0	0	0
15	116	103	12,054	12,054	251	0	0	0
16	107	101	12,014	12,014	286	0	0	0
17	102	97	12,014	12,014	289	0	0	0
18	83	81	7,614	7,614	294	0	0	0
19	84	79	11,206	11,206	286	0	0	0
20	67	58	12,808	12,808	218	0	0	0
21	45	39	13,785	13,785	237	0	0	0
22	55	49	15,287	15,287	223	0	0	0
23	51	44	15,648	15,648	225	0	0	0
24	46	42	15,027	15,027	233	0	0	0
25	39	39	16,866	16,866	233	0	0	0
26	43	38	16,324	16,324	206	0	0	0
27	43	35	17,152	17,152	212	0	0	0
28	48	42	17,327	17,327	197	0	0	0
29	46	42	16,725	16,725	205	0	0	0
30	54	44	17,588	17,588	192	0	0	0
31	73	67	15,900	15,900	212	0	0	0
Total	2,546	2,344	400,963	400,963	7,706	0	0	4

Table 10. Clifton Court Forebay

Daily Operation of Gates

December 2005

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	2:45	14:00							8,904
2	3:30	14:45							8,913
3	0:10	1:15	4:15	15:30					8,912
4	0:05	2:00	5:00	9:50					4,954
5	0:01	2:45	5:45	13:55					8,907
6	0:05	3:45	6:45	16:45					10,895
7	0:01	4:30	7:30	18:40					13,246
8	0:01	5:30	8:30	18:20					13,247
9	0:30	6:30	9:30	18:30					13,243
10	2:00	11:15	14:45	21:00					12,727
11	0:01	12:15	15:30	20:25					13,244
12	0:45	13:15	16:00	19:30					13,240
13	1:30	14:00	16:45	18:05					12,287
14	2:15	14:45	17:30	23:00					12,285
15	3:00	15:30	19:30						12,292
16		0:30	3:30	16:30	18:30	23:10			12,296
17	0:01	1:15	4:15	17:00	19:15	22:45			12,295
18	0:01	2:00	6:00	14:00					7,918
19	0:01	2:30	5:30	17:15					11,057
20	0:01	3:15	6:15	19:30					13,477
21	0:01	3:45	6:45	19:00					13,485
22	0:01	4:30	7:30	19:40					14,859
23	0:01	5:15	8:16	22:30					15,456
24	0:15	6:00	9:00	20:00	23:00				14,704
25		10:45	14:15	20:40					15,858
26	0:01	11:30	14:45	21:30					16,047
27	0:30	12:30	15:30	21:17					16,851
28	1:00	13:30	16:00	19:12					16,857
29	1:45	14:15	16:45	20:30					17,734
30	2:30	15:00	17:30						18,835
31		0:15	3:15	15:44	18:15				18,010
Total inflow for the month in AF:									403,035

Table 11. Governor Edmund G. Brown California Aqueduct
 Delta Field Division, Monthly Deliveries

(In acre-feet)

December 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Table A	USBR	Local	Loan Water	Dry Year Purchase	
	No.	Structure	Mile							
1	Banks Pumping Plant	3.32		400,963	2	28	15	0	0	
	South Bay Pumping Plant	4.49	Bethany Reservoir (Into the South Bay Aquaduct)	7,706						
	Check No. 1	5.95								
		8.08	Alameda Co. Zone 7 WA Mountain House Golf Course	0						
	Check No. 2	12.01								
	3	12.47	Musco Olive	2						
		Check No. 3	18.29							
	4	22.16	Tracy Golf & Country Club	0						
		Check No. 4	23.99							
2A	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7	35.22	Turlock Fruit Company Inflow	0						
		Check No. 7	39.91							
	8	42.46	Oak Flat Water District-A	0						
		42.9	Western Hills WD	28						
		43.81	Oak Flat Water District-B	0						
		44.64	Oak Flat Water District-C	0						
		Check No. 8	45.97							
2B	9	46.18	Oak Flat Water District-D	15	15	0	0	0	0	
			Oak Flat Totals:	15						
	Check No. 9	51.3								
	10	Check No. 10	56.86							
	11	Check No. 11	61.4							
	12	66.14	Veteran's Cemetery	1						
		Check No. 12	66.71							
				381,112						

Table 12. South Bay Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

Deliveries					
Reach No.	Operating Pool		Turnout	Total Diversions	December 2005
	Beginning and Ending				
	No.	Structure	Mile		
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	7,706
			3.17	Granite - Vasco Rd. (Temp.)	0
			3.18	Oakland Scavenger Zone 7	2
	Check No. 1	3.91			
	2	Check No. 2	5.21		
2	3		7.21	Zone 7 WA Altamont	0
				Zone 7 WA Patterson	
	Check No. 3	9.49		Inflow Exchange Project Water	0
					706
	4	Check No. 4	10.68		
4	5	Check No. 5	12.29		
	6		13.55	Zone 7 WA Wente #1	0
			14.16	Zone 7 WA Wente #2	0
			14.31	Zone 7 WA Ising	0
	Check No. 6	14.65			
	7		14.78	Zone 7 WA Arroyo Mocho Project Water	619
		Check No. 7	16.38		
	8		16.57	Zone 7 WA Wente #3	0
			16.63	Zone 7 WA Wente #4	0
			16.69	Zone 7 WA Norman Nursery	0
			16.70	Zone 7 WA Concannon Project Water	0
		Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0
				(Flow into South Bay Aqueduct)	4
				Zone 7 WA Arroyo Valle #1 & #2	
				Storage Exchange Project Water	0
				Inflow Released	0
				Storage Released	0
5	Deliveries through Del Valle Branch Pipeline			Inflow Exchange	168
				Lake Del Valle	
				Recreation	8
				Zone 7 WA Wente #5	5
				Zone 7 WA So. Livermore Project	1,248
6			19.20	Inflow Released	0
				Stored Exchanged	0
			19.21	Zone 7 WA Kalthrof Detjens	4
7	La Costa Tunnel	22.50		ACWD Vallecitos Project Water	0
		25.97		City of San Francisco	
				San Antonio	0
8	Mission Tunnel	28.97		ACWD - Bayside 1 & 2 Project Water	1,567
				Storage Released	0
9	Santa Clara Pipeline	35.86		Storage Exchange S.C.V.W.D. Meter	3,381
					3,381

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

December 2005

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Nov 30	678.86	25,205									
1	678.90	25,225	20	22	0	0	0	0	1	1	0.02
2	678.90	25,225	0	2	0	0	0	0	2	2	0.62
3	678.91	25,230	5	8	0	0	0	1	2	3	0.01
4	678.90	25,225	-5	-3	0	0	0	0	2	2	0.00
5	678.89	25,220	-5	-2	0	0	0	0	3	3	0.00
6	678.89	25,220	0	3	0	0	0	0	3	3	0.00
7	678.86	25,205	-15	-13	0	0	0	0	2	2	0.00
8	678.87	25,210	5	7	0	0	0	1	1	2	0.02
9	678.88	25,215	5	7	0	0	0	0	2	2	0.00
10	678.87	25,210	-5	-2	0	0	0	0	3	3	0.00
11	678.87	25,210	0	7	0	0	4	0	3	7	0.00
12	678.87	25,210	0	2	0	0	0	1	1	2	0.00
13	678.87	25,210	0	1	0	0	0	0	1	1	0.00
14	678.84	25,195	-15	-13	0	0	0	0	2	2	0.00
15	678.83	25,190	-5	-3	0	0	0	0	2	2	0.00
16	678.82	25,185	-5	0	0	0	0	1	4	5	0.00
17	678.85	25,200	15	16	0	0	0	0	1	1	0.00
18	678.94	25,245	45	47	0	0	0	0	2	2	0.95
19	679.01	25,281	35	36	0	0	0	0	1	1	0.25
20	679.01	25,281	0	2	0	0	0	1	1	2	0.01
21	679.05	25,301	20	22	0	0	0	0	2	2	0.00
22	679.15	25,351	50	52	0	0	0	0	1	1	0.33
23	679.29	25,422	71	73	0	0	0	1	1	2	0.30
24	679.37	25,462	41	42	0	0	0	0	1	1	0.01
25	679.42	25,488	25	26	0	0	0	0	1	1	0.00
26	679.72	25,640	153	155	0	0	0	1	1	2	0.74
27	679.83	25,696	56	58	0	0	0	0	2	2	0.01
28	679.91	25,737	41	43	0	0	0	1	1	2	0.14
29	680.00	25,784	46	48	0	0	0	0	2	2	0.03
30	680.05	25,809	26	27	0	0	0	0	1	1	0.02
31	684.28	28,068	2,259	2,260	0	0	0	0	1	1	1.39
Total		2,863		2,928	0	0	4	8	53	65	4.85

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

December 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity 56,430 ac-ft

Date	Water Surface Elevation (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generated)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant	Deliv-eries 2/	
Nov 30	221.36	46,705										
1	221.09	45,996	-709	0	3,479	0	4,033	0	2,340	5,466	3	-60
2	221.19	46,259	263	0	3,561	81	4,114	0	2,243	5,303	3	-74
3	223.06	51,206	4,947	0	3,580	2,127	3,897	0	2,208	4,945	3	46
4	219.55	41,990	-9,216	0	3,632	0	3,256	0	5,882	5,685	3	36
5	220.63	44,792	2,802	0	3,670	817	3,921	0	1,875	5,039	3	-78
6	222.49	49,687	4,895	0	3,654	0	4,973	0	3,782	2,255	3	-119
7	222.88	50,726	1,039	0	3,689	0	6,389	0	5,071	4,521	4	42
8	222.49	49,687	-1,039	0	3,686	0	6,633	0	5,306	5,495	4	-38
9	223.66	52,813	3,126	0	3,684	0	6,540	0	4,264	4,375	4	-5
10	223.28	51,794	-1,019	0	3,709	0	6,235	0	5,354	5,271	4	171
11	220.72	45,027	-6,767	0	3,641	0	6,437	0	7,909	5,528	4	-49
12	221.40	46,810	1,783	0	3,644	0	6,184	0	4,120	4,906	4	101
13	220.82	45,289	-1,521	0	3,633	0	5,941	0	5,806	4,551	4	20
14	222.46	49,607	4,318	0	3,662	1,503	5,747	0	3,279	5,536	4	84
15	221.62	47,388	-2,219	0	3,637	0	5,619	0	3,869	6,561	5	60
16	221.66	47,493	105	0	3,633	0	5,960	0	2,452	7,007	5	-76
17	221.96	48,282	789	0	3,708	0	6,030	0	2,599	6,573	5	-163
18	220.10	43,411	-4,871	0	3,717	0	3,594	0	3,360	6,476	5	74
19	221.01	45,787	2,376	0	3,799	0	5,291	0	1,775	6,033	5	-79
20	222.19	48,889	3,102	0	3,856	0	6,248	0	2,877	5,557	5	-101
21	222.25	49,049	160	0	3,940	0	6,206	0	4,187	5,857	6	-15
22	223.38	52,062	3,013	0	3,915	0	7,723	0	5,161	5,058	5	105
23	222.96	50,939	-1,123	0	3,912	4	7,901	0	6,618	5,648	5	-112
24	222.12	48,703	-2,236	0	3,929	0	7,663	0	7,876	4,902	5	64
25	221.76	47,756	-947	0	3,936	0	7,767	0	7,365	4,693	5	-117
26	221.20	46,285	-1,471	0	3,939	0	7,188	0	7,857	5,035	5	1,028
27	221.67	47,519	1,234	0	3,904	0	8,035	0	6,867	4,280	5	-165
28	222.39	49,421	1,902	0	3,929	0	8,360	0	6,772	4,450	6	-102
29	223.19	51,554	2,133	0	3,923	0	8,119	0	6,691	4,446	2	172
30	223.74	53,027	1,473	0	3,949	0	8,457	0	7,470	4,541	2	350
31	224.15	54,131	1,104	0	3,970	0	7,682	0	7,323	4,115	2	345
Total			7,426	0	116,520	4,532	192,143	0	150,558	160,108	128	1,345
Mean cfs			---	0	3,759	146	6,198	0	4,857	5,165	4	43
Acre-feet			7,426	0	231,114	8,988	381,112	0	298,635	317,573	254	2,674

1/ Pump-in located at Mile 79.67R.

2/ Includes 94 AF delivered to DFG at O'Neill Forebay, 4 AF to Parks and Recreation, 1 AF to P&R Cattle, and 155 AF to San Luis Water District.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

December 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)	Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.	
Nov 30	510.30	1,627,412						
1	510.70	1,632,125	4,713	2,340	0	110	0	146
2	511.00	1,635,663	3,538	2,243	81	96	0	-282
3	511.00	1,635,663	0	2,208	2,127	64	0	-17
4	511.90	1,646,291	10,628	5,882	0	92	0	-432
5	512.05	1,648,065	1,774	1,875	817	89	0	-75
6	512.61	1,654,692	6,627	3,782	0	81	0	-360
7	513.38	1,663,820	9,128	5,071	0	79	0	-390
8	514.20	1,673,559	9,739	5,306	0	84	0	-312
9	514.81	1,680,817	7,258	4,264	0	86	0	-519
10	515.60	1,690,233	9,416	5,354	0	98	0	-509
11	516.80	1,704,570	14,337	7,909	0	101	0	-580
12	517.50	1,712,952	8,382	4,120	0	104	0	210
13	518.33	1,722,910	9,958	5,806	0	105	0	-681
14	518.54	1,725,432	2,522	3,279	1,503	106	0	-399
15	519.09	1,732,045	6,613	3,869	0	104	0	-431
16	519.41	1,735,896	3,851	2,452	0	149	0	-361
17	519.78	1,740,353	4,457	2,599	0	178	0	-174
18	520.39	1,747,709	7,356	3,360	0	176	0	525
19	520.60	1,750,244	2,535	1,775	0	153	0	-344
20	521.01	1,755,197	4,953	2,877	0	137	0	-243
21	521.62	1,762,575	7,378	4,187	0	142	0	-325
22	522.40	1,772,024	9,449	5,161	0	136	0	-261
23	523.38	1,783,921	11,897	6,618	4	136	0	-480
24	524.60	1,798,771	14,850	7,876	0	137	0	-252
25	525.75	1,812,807	14,036	7,365	0	128	0	-161
26	526.99	1,827,984	15,177	7,857	0	121	0	-84
27	528.03	1,840,746	12,762	6,867	0	133	0	-300
28	529.00	1,852,678	11,932	6,772	0	130	0	-626
29	530.10	1,866,240	13,562	6,691	0	30	0	176
30	531.10	1,878,600	12,360	7,470	0	23	0	-1,216
31	532.30	1,893,469	14,869	7,323	0	69	1	243
Total			266,057	150,558	4,532	3,377	1	-8,514
Mean cfs			---	4,857	146	109	0	-275
Acre-feet			266,057	298,635	8,988	6,696	1	-16,893

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 6438 AF, Casa De Fruta 1 AF, San Benito: 257 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

December 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/ 2/	Total Generation	SWP Generation 1/ 2/	Total Pumping	SWP Pumping 1/ 2/	Federal
1	10,841	9,477	0	0	4,641	-919	218
2	10,519	9,165	160	160	4,449	-11	191
3	9,808	8,451	4,218	4,218	4,380	-95	127
4	11,277	9,888	0	0	11,667	-167	182
5	9,994	8,631	1,620	1,620	3,720	30	176
6	4,473	3,124	0	0	7,502	3,052	161
7	8,967	7,574	0	0	10,059	5,292	157
8	10,900	7,901	0	0	10,524	7,222	166
9	8,677	5,678	0	0	8,457	5,138	171
10	10,456	7,463	0	0	10,620	7,298	195
11	10,964	8,026	0	0	15,688	7,936	200
12	9,731	6,690	0	0	8,173	4,926	206
13	9,027	6,081	0	0	11,516	6,498	208
14	10,980	8,033	2,982	2,982	6,504	3,234	210
15	13,013	10,045	0	0	7,675	2,597	206
16	13,899	10,900	0	0	4,863	-335	295
17	13,037	10,064	0	0	5,156	1,298	353
18	12,846	9,885	0	0	6,665	-152	350
19	11,966	9,011	0	0	3,520	990	304
20	11,023	7,061	0	0	5,707	2,434	271
21	11,617	7,582	0	0	8,304	5,072	281
22	10,033	6,012	0	0	10,237	7,742	269
23	11,202	7,153	8	8	13,127	10,703	270
24	9,723	5,640	0	0	15,623	13,262	271
25	9,308	5,349	0	0	14,608	7,760	254
26	9,986	6,067	0	0	15,584	8,941	240
27	8,490	4,558	0	0	13,620	9,334	264
28	8,827	4,845	0	0	13,432	11,242	257
29	8,819	4,766	0	0	13,271	9,000	60
30	9,007	4,879	0	0	14,817	12,304	46
31	8,163	4,062	0	0	14,526	12,048	137
Total	317,573	224,061	8,988	8,988	298,635	163,674	6,696

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping;

adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations
December 2005

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Capacity 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Nov 30	325.66	19,584					
1	325.67	19,589	5	3	0	0	-1
2	325.65	19,580	-9	0	0	0	-9
3	325.64	19,575	-5	0	0	0	-5
4	325.63	19,570	-5	0	0	0	-5
5	325.63	19,570	0	0	0	0	0
6	325.63	19,570	0	0	0	0	0
7	325.64	19,575	5	3	0	0	-1
8	325.63	19,570	-5	0	0	0	-5
9	325.63	19,570	0	0	0	0	0
10	325.62	19,566	-4	0	0	0	-4
11	325.63	19,570	4	2	0	0	0
12	325.62	19,566	-4	0	0	0	-4
13	325.62	19,566	0	0	0	0	0
14	325.61	19,561	-5	0	0	0	-5
15	325.60	19,557	-4	0	0	0	-4
16	325.60	19,557	0	0	0	0	0
17	325.61	19,561	4	2	0	0	0
18	325.66	19,584	23	12	0	0	-1
19	325.67	19,589	5	3	0	0	-1
20	325.67	19,589	0	0	0	0	0
21	325.68	19,593	4	2	0	0	0
22	325.69	19,598	5	3	0	0	-1
23	325.69	19,598	0	0	0	0	0
24	325.70	19,602	4	2	0	0	0
25	325.71	19,607	5	3	0	0	-1
26	325.71	19,607	0	0	0	0	0
27	325.71	19,607	0	0	0	0	0
28	325.70	19,602	-5	0	0	0	-5
29	325.71	19,607	5	3	0	0	-1
30	325.73	19,616	9	5	0	0	-1
31	326.30	19,878	262	132	0	0	0
Total			294	175	0	0	-54
Mean cfs			---	6	0	0	---
Acre-feet			294	347	0	0	-54

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

December 2005

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 5,580 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Nov 30	601.15	744					
1	601.20	747	3	2	0	0	-1
2	601.20	747	0	0	0	0	0
3	601.20	747	0	0	0	0	0
4	601.20	747	0	0	0	0	0
5	Not Observed			0	0	0	
6	601.40	758	11	6	0	0	-1
7	601.50	763	5	3	0	0	-1
8	601.50	763	0	0	0	0	0
9	601.50	763	0	0	0	0	0
10	601.60	769	6	3	0	0	0
11	601.65	772	3	2	0	0	-1
12	601.65	772	0	0	0	0	0
13	601.65	772	0	0	0	0	0
14	Not Observed			0	0	0	
15	Not Observed			0	0	0	
16	601.80	780	8	4	0	0	0
17	Not Observed			0	0	0	
18	601.85	783	3	2	0	0	-1
19	601.90	786	3	2	0	0	-1
20	601.90	786	0	0	0	0	0
21	602.00	792	6	3	0	0	0
22	602.00	792	0	0	0	0	0
23	602.10	797	5	3	0	0	-1
24	602.00	797	0	0	0	0	0
25	602.00	797	0	0	0	0	0
26	602.00	797	0	0	0	0	0
27	602.25	806	9	5	0	0	-1
28	602.30	809	3	2	0	0	-1
29	602.30	809	0	0	0	0	0
30	602.35	812	3	2	0	0	-1
31	602.50	821	9	6	0	1	-1
Total			77	45	0	1	-11
Mean cfs			---	1	0	0	---
Acre-feet			77	90	0	2	-11

1/ Not available on a daily basis

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation		
	No.	Structure									
2B	12	Check No. 12	66.71		381,112						
3A		San Luis Reservoir		Department of Parks and Recreation	1	6,438	1	0	1		
				San Felipe Division Santa Clara Water District	6,438						
				Casa de Fruta Santa Clara Water District	1						
				San Felipe Division San Benito Water District	257	257					
				Reach 3A Total:	6,697	6,696	0	0	1		
3	13	O'Neill Forebay	70.85	Department of Parks and Recreation	4			2	2		
				Cattle Program	1						
				Department of Fish & Game	94			52	42		
		Thru 85.08	70.91	San Luis Water District	155	155		0	1		
				(Floodwater Inflow)	0						
				Reach 3 Total:	254			54	45		
		Dos Amigos Pumping Plant	86.73		317,573						
4	14		89.03			171					
			Thru 94.06	San Luis Water District	171						
			89.66				444				
			Thru 89.67	Pacheco Water District	444						
			89.68	Panoche Water District	31		31				
		89.70		City of Dos Palos	72		72				
		Check No. 14	95.06								
4	15		98.15			422					
			Thru 104.20	San Luis Water District	422		1,296				
			96.15								
			Thru 102.64	Panoche Water District	1,296						
				(Floodwater Inflow)	0		1				
			102.64	Broadview Water District	1						
			105.22				4,347				
		Check No.15	Thru 108.64	Westlands Water District	4,347						
		Check No.15	108.50								
			Reach 4 Total:	6,784	6,784	0	0	0	0		
			San Felipe Division Total:	6,696	6,696	0	0	0	0		
			Pacheco Water District Total:	444	444	0	0	0	0		
			Broadview Water District Total:	1	1	0	0	0	0		
			City of Dos Palos Total:	72	72	0	0	0	0		
			SLWD Reach 4 Subtotal:	593	593	0	0	0	0		
			Panoche Water District Total:	1,327	1,327	0	0	0	0		
			SLWD Total:	748	748	0	0	0	0		
			Westlands WD Reach 4 Subtotal:	4,347	4,347	0	0	0	0		

Table 19. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries				
	Beginning and Ending		Structure			USBR	Transfer	DWR Recreation	USBR Recreation	
	No.	Structure	Mile							
5	16		110.52	(Reverse flow, Kings River)	126,151	4,209			118	
			Thru	Westlands Water District	4,209					
			122.05	Department of Fish and Game	118					
		Check No. 16	122.07							
	17		124.18	Westlands Water District	5,772	5,772				
			Thru							
		Check No. 17	132.95							
	18		133.81	Westlands Water District	6,643	6,643				
			Thru							
			142.61							
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	3,132	3,132				
			143.16	City of Coalinga	361					
		Check No. 18	143.23							
				Reach 5 Total:	20,235	20,117	0	0	118	
6	19		145.26	GWF Energy	0	4	1/ 104			
			Thru	City of Huron	4					
			151.19	Kings County to Lemoore NAS thru WWD 29L & 30L	104					
				Kings County thru WWD 30L	0					
				Westlands Water District	13,642					
		Check No. 19	155.64			13,646	104	0	0	
				Reach 6 Total:	13,750					
7	20		156.34	City of Huron	60	60	11,131			
			156.40	SWP Construction @ Lat. 24R	0					
			Thru	Westlands Water District	11,131					
		Check No. 20	163.69							
	21		164.69			202				
			164.79	City of Avenal	202					
		Check No. 21	167.04							
			Thru	Westlands Water District	2,002					
			171.67							
		Check No. 21	172.40		244,664					
				Reach 7 Total:	13,395	13,395	0	0	0	
				SWP Construction	0	0	0	0	0	
				Westlands WD Total:	50,878	50,878	0	0	0	
				City of Coalinga Total:	361	361	0	0	0	
				City of Huron Total:	64	64	0	0	0	
				Kings County to Lemoore NAS thru WWD 29L & 30L	104	0	104	0	0	
				City of Avenal Total:	202	202	0	0	0	
				Total San Luis Field Division Deliveries:	61,115	60,793	104	54	164	

1/ Long-term POD from County of Kings to Lemoore Naval Air Base

Table 20. Consolidated State-Federal San Luis Canal 1/Daily Operations
December 2005United States
Department of the Interior
Bureau of Reclamation
Central Valley ProjectState of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project	Dos Amigos Pumping Plant	San Luis Water District Pools 14 & 15 2/	Panoche Water District Pools 14 & 15	Westlands Water District Pools 15 thru 21 3/	Flow Past Check 21	
Nov 30	27,688								
1	27,989	301	0	5,466	16	33	1,019	4,498	252
2	27,834	-155	0	5,303	16	33	1,019	4,567	254
3	28,439	605	0	4,945	16	33	1,019	3,599	27
4	29,337	898	0	5,685	16	33	1,019	3,793	-371
5	30,007	670	0	5,039	16	33	1,019	3,659	26
6	28,521	-1,486	0	2,255	16	33	1,019	1,909	-27
7	28,160	-361	0	4,521	20	34	1,019	3,452	-178
8	29,124	964	0	5,495	19	39	1,100	3,663	-188
9	28,062	-1,062	0	4,375	19	39	1,100	3,590	-162
10	28,579	517	0	5,271	19	39	1,100	3,612	-240
11	28,076	-503	0	5,528	19	39	1,100	4,084	-540
12	28,576	500	0	4,906	19	39	1,100	2,816	-680
13	28,184	-392	0	4,551	19	39	1,100	3,300	-291
14	27,920	-264	0	5,536	19	41	1,105	3,826	-678
15	28,202	282	0	6,561	18	18	909	4,715	-759
16	28,774	572	0	7,007	18	18	909	5,144	-630
17	28,345	-429	0	6,573	18	18	909	5,447	-397
18	28,222	-123	0	6,476	18	18	909	4,416	-1,177
19	28,462	240	0	6,033	18	18	909	4,420	-547
20	28,374	-88	0	5,557	18	18	909	3,765	-891
21	29,163	789	0	5,857	18	23	909	4,010	-499
22	28,406	-757	0	5,058	19	3	542	4,293	-583
23	28,736	330	0	5,648	19	3	542	4,293	-625
24	28,551	-185	0	4,902	19	3	542	4,400	-31
25	28,272	-279	0	4,693	19	3	542	4,329	59
26	28,919	647	0	5,035	19	3	542	4,506	361
27	28,055	-864	0	4,280	19	3	542	4,243	91
28	27,829	-226	0	4,450	20	4	543	4,186	189
29	27,837	8	0	4,446	16	3	361	3,541	-521
30	28,142	305	0	4,541	16	3	361	3,830	-177
31	28,900	758	0	4,115	18	3	361	3,444	93
Total		1,212	0	160,108	559	669	26,079	123,350	-8,840
Mean cfs		---	0	5,165	18	22	841	3,979	-285
Acre-feet		1,212	0	317,573	1,109	1,327	51,728	244,664	-17,533

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Includes 444 AF to Pacheco W.D., 72 AF to the City of Dos Palos, and 593 AF to San Luis Water District.

3/ Includes 60 AF to the City of Huron, 202 AF to the City of Avenal, 361 AF to the City of Coalinga, 4 AF to City of Huron P&R @ 22R, 104 AF to Lemoore N.A.S. @30L, 0 AF to GWF @ 30L, 0 AF to Kings County, 1 AF to Broadview WD @ 3L, 0 AF to Pilobos Wildlife @ 4L, 118 AF to Mendota Water Fowl Habitat Area @ 6L, 0 AF to SWP construction, 3,132 AF to Pleasant Valley Pumping Plant, and 47,746 AF to Westlands Water District.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

December 2005

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	149	149	64	60	67	4,475	4,373	4,384	4,132
2	139	139	69	62	71	4,093	4,209	4,218	4,078
3	104	104	36	34	37	4,359	4,710	4,744	4,620
4	79	79	50	44	52	5,727	5,944	5,998	5,640
5	70	70	36	33	37	3,833	3,673	3,759	3,648
6	120	120	54	49	54	1,606	1,701	1,656	1,595
7	95	95	43	40	42	4,125	4,294	4,379	4,079
8	100	100	51	48	54	4,198	4,258	4,280	4,132
9	117	117	59	55	61	4,350	4,241	4,265	4,077
10	102	102	59	54	61	4,154	4,236	4,270	4,105
11	140	140	70	63	71	5,753	5,975	6,087	5,801
12	86	86	47	44	48	4,095	4,340	4,369	4,052
13	96	96	54	50	57	4,118	4,024	4,056	3,890
14	171	171	86	81	88	4,544	4,662	4,613	4,341
15	144	144	69	64	70	4,751	4,844	4,884	4,661
16	256	256	67	62	69	5,799	5,817	5,691	5,532
17	426	426	86	79	86	5,646	6,022	5,873	5,801
18	251	251	81	76	86	5,943	6,028	5,895	5,801
19	202	202	58	53	61	4,270	4,449	4,312	4,317
20	101	101	70	66	70	3,963	4,019	3,759	3,353
21	168	168	69	65	72	3,787	3,819	3,573	3,542
22	225	225	66	61	69	4,098	4,053	3,786	3,754
23	192	192	60	57	62	4,099	4,114	3,866	3,808
24	208	208	51	46	51	4,888	5,171	4,925	4,997
25	104	104	68	63	71	4,096	4,136	3,890	3,661
26	175	175	50	44	52	4,070	4,422	4,210	3,920
27	144	144	30	28	32	3,662	3,790	3,490	3,429
28	159	159	46	42	47	3,118	3,151	2,841	2,759
29	145	145	59	55	63	3,063	2,803	2,546	2,602
30	135	135	88	83	89	3,011	3,241	3,053	3,082
31	112	112	61	57	62	2,966	3,175	2,978	2,942
Total	4,715	4,715	1,857	1,718	1,912	130,660	133,694	130,650	126,151

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries									
	Beginning and Ending		No.			Table A	Article 21	USBR	SCVWD 1/	WWD 2/	CLWA 3/	DRWD 4/			
	No.	Structure	Mile												
7	21	Check No. 21	172.40		126,151										
8C	22		172.66	Empire West Side Irrig. Dist. TL - A	1,057	1,057 179 8,480 2,106 133 269 1,696 6,683 1,330									
				County of Kings TL - A	179										
				TLBWSD TL-A	13,383										
			175.18	DRWD - 1	2,106		8,480 2,106 133								
			177.54	DRWD - 1B	133										
			180.64	TLBWSD - C	0										
			180.65	DRWD - 1A	269		2,106 133 269								
			182.99	DRWD - 2	2,696										
			183.00	Tulare Lake Basin WSD TL - B	26,844										
				County of Kings TL-B	1,891		133 269 1,696 6,683								
31A	8D		184.00	DRWD - Paramount	0										
			184.63	Coastal Branch	4,715										
8D			184.78	Dudley Ridge Water Dist. DRWD - 3	3,127		269 1,696 6,683								
				Dudley Ridge Reach 8D Total:	8,331										
9	23			Tulare Lake Basin WSD Total:	40,227										
			Check No. 22	184.82			1,696 6,683 1,330								
			189.69	Kern County Water Agency Lost Hills Water Dist. - 1	1,288										
			191.18	Kern County Water Agency Lost Hills Water Dist. - 2	18										
			194.22	Kern County Water Agency Lost Hills Water Dist. - 3	4		6,683 1,330 339								
			196.40	Kern County Water Agency Berrenda Mesa - 2	0										
			196.75	Kern County Water Agency Lost Hills Water Dist. - 4	339										
				KCWA Reach 9 Subtotal:	1,649										
			Check No. 23	197.05			1,330 339 0								
10A	24		201.24	Kern County Water Agency Lost Hills Water Dist. - 7	146										
			202.05	Kern County Water Agency Lost Hills Water Dist. - 5	724		7 3,240 0								
			204.69	Kern County Water Agency Lost Hills Water Dist. - 6	0										
			205.26	Kern County Water Agency Lost Hills Water Dist. - 8	7										
			Check No. 24	207.94			3,240 0								
10A	25		209.71	Kern County Water Agency Belridge Water Storage Dist. - 1A	67										
			209.78	Kern National Wildlife Refuge USBR BV-1B	3,240		3,240 1,247 253								
				Kern County Water Agency Buena Vista WSD 1B	472										
			209.80	KCWA Semitropic WSD	1,247										
				KCWA Semitropic WSD Penstocks	348										
				USBR Total:	3,240		95 0								
				KCWA Reach 10A Subtotal:	3,011										

1/ WWD CVP water to Semitropic WSD for storage.

2/ SCVWD Table A water to Semitropic WSD for storage.

3/ CLWA Table A water to Rosedale-Rio Bravo WSD for storage.

4/ DRWD Article 21 water to KWB for storage.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				Table A	Article 21	USBR	SCVWD 2/	WWD 3/	CLWA 4/	DRWD 5/	
	No.	Structure	Mile									
11B	25		210.75	Kern County Water Agency Belridge - 2	0	350	2,311	593	96	0	0	
			214.11	Kern County Water Agency Belridge - 3	350							
			216.62	Kern County Water Agency Belridge - 4	0							
			217.13	Kern County Water Agency Belridge - 5	2,904							
				Kern County Water Agency Belridge - 5D	96							
			Check No. 25	217.79								
				KCWA Reach 11B Subtotal:	3,350	2,311	1,039	0	0	0	0	
12D	26		219.58	Kern County Water Agency Belridge - 6	0	250	59	0	0	0	0	
				Kern County Water Agency West Kern - 3	309							
			Check No. 26	224.92								
				Check No. 27	231.73							
12E	27		230.37	Kern County Water Agency Buena Vista - 6	0	8,204	1,089	26,073	7,131	0	0	
				Check No. 27								
			235.75	Kern County Water Agency Buena Vista - 2	1,089							
				Kern County WA CVC	41,408							
				DRWD CVC	0							
				Tulare Co.	0							
				Lower Tule River	0							
				Fresno Co.	0							
				Pixley ID	0							
				Hacienda DWR Wells	0							
			Check No. 28	238.11								
				1/ Arvin Edison Total:	0	0	0	0	0	0	0	
				Reach 12E Subtotal:	42,497	8,204	27,162	0	0	7,131	0	
13B	29		238.19	Kern Water Bank Inflow	17,633	2,722	12,977	0	0	0	1,934	
				Kern Water Bank Outflow	0							
			241.02	Kern River Intertie (inflow)	0							
			242.85	KCWA Buena Vista WSD - 7	0							
				KCWA Buena Vista WSD - 5	633							
			243.09	Kern County Water Agency Buena Vista - 3	6,749							
			Check No. 29	244.54								
		30	249.85	Kern County Water Agency Buena Vista - 4	923	6,749	923	0	0	0	0	
				Buena Vista Pumping Plant	250.99							
				KCWA Reach 13B Subtotal:	25,938	11,027	12,977	0	0	0	1,934	
14A	31		254.47	Kern County Water Agency West Kern - 2	0	2	0	0	0	0	0	
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	2							

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ WWD CVP water to Semitropic WSD for storage.

3/ SCVWD Table A water to Semitropic WSD for storage.

4/ CLWA Table A water to Rosedale-Rio Bravo WSD for storage.

5/ DRWD Article 21 water to KWB for storage.

Table 22. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

December 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries							
	Beginning and Ending				Table A	Article 21	USBR	SCVWD	WWD	CLWA	DRWD	
	No.	Structure	Mile									
14A	31	Check No. 31	256.14	126,151	58	86						
	32		258.61	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 3	58								
			260.44	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 4	86								
14B	33		Check No. 32	261.72	146	KCWA Reach 14A Subtotal:	146	0	0	0	0	
			264.42	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 5	775								
			266.91	Kern County Water Agency								
	34		Check No. 33	267.36								
			270.24	Kern County Water Agency	298	Reach 14B Total:	1,174	0	0	0	0	
			Wheeler Ridge-Maricopa - 7	298								
14C	35		Check No. 34	271.27								
			272.39	Kern County Water Agency	361	Reach 14C Total:	498	0	0	0	0	
			Wheeler Ridge-Maricopa - 8	361								
			276.09	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 9	110								
15A	36		277.30	Kern County Water Agency	27	Reach 15-A Total:	1,309	0	0	0	0	
			Arvin-Edison WSD	27								
			Reach 14C Total:	498								
			Teerink Pumping Plant	278.13	133,694	1,309	0	0	0	0	0	
			279.02	Kern County Water Agency								
16A	37		Wheeler Ridge-Maricopa - 9A	2								
			280.06	Kern County Water Agency	1,307	Reach 15-A Total:	1,309	0	0	0	0	
			Wheeler Ridge-Maricopa - 10	1,307								
			Reach 15-A Total:	1,309								
			Chrisman Pumping Plant	280.36	130,650	333	0	0	0	0	0	
16A	38		282.06	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 11	0								
			Check No. 37	283.95								
			285.01	Kern County Water Agency	10	333	0	0	0	0	0	
			Wheeler Ridge-Maricopa - 12	10								
16A	39		286.39	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 13A	0								
			287.06	Kern County Water Agency	31	292	0	0	0	0	0	
			Wheeler Ridge-Maricopa - 13	0								
			Check No. 38	287.09								
16A	40		287.62	Kern County Water Agency	31	292	0	0	0	0	0	
			Wheeler Ridge-Maricopa - 13B	31								
			Check No. 39	290.21								
			291.26	Kern County Water Agency	292	333	0	0	0	0	0	
			Wheeler Ridge-Maricopa - 14	292								
17E		Edmonston Pumping Plant	293.07	Kern County Water Agency								
			Wheeler Ridge-Maricopa - 15	0								
			Kern County Water Agency	Tehachapi Cummings CWD								
17E		Edmonston Pumping Plant	293.45	KCWA Reach 16A Subtotal:	333	333	0	0	0	0	0	
					126,151							

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending		Structure			Table A	Article 21	USBR	SCVWD 1/	WWD 2/	CLWA 3/	DRWD 4/	
	No.	Structure	Mile										
31A	C-1	Coastal Branch Control	0.02		4,715	194	1,002	222	1,121	567	7,131	1,934	
		Las Perillas Pumping Plant	1.16		4,715								
	C-2		3.79	Green Valley Water District	0								
		Badger Hill Pumping Plant	4.27		4,715								
	C-3	Coastal Check No. 3	7.21										
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	1,196								
		Coastal Check No. 4	9.34										
	C-5	Coastal Check No. 5	12.20										
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	222								
			14.83	Kern County Water Agency Berrenda Mesa - 1	1,645								
				Kern County Water Agency Berrenda Mesa - PO	0								
		Devil's Den Pumping Plant	14.86		1,857								
				KCWA Reach 31A Subtotal:	1,867	524	1,343	0	0	0	0	0	
				KCWA Total:	82,081	25,776	45,173	0	1,500	567	7,131	1,934	
33A	C-7	Bluestone Pumping Plant	19.05		1,718	1,573	292	24	0	0	0	0	
	C-8	Polonio Pass Pumping Plant	26.54		1,912								
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant									
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	1,573								
		Tank Site 2	58.63	Central Coast:	0								
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	316								
		Energy Dissipater	78.12										
	Lopez T.O.		85.86	SLOCFC & WCD	0	1,865	24	0	0	0	0	0	
				CCWA Total:	1,889								
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0								
		Santa Maria T.O.	107.43	SBCFC & WCD	0								
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0								
38				SBCFC & WCD Total:	0	0	0	0	0	0	0	0	
		Tank Site 5	115.42										

1/ WWD CVP water to Sempitropic WSD for storage.

2/ SCVWD Table A water to Sempitropic WSD for storage.

3/ CLWA Table A water to Rosedale-Rio Bravo WSD for storage.

4/ DRWD Article 21 water to KWB for storage.

Table 24. Southern Field Division Plant Data

(in acre-feet)

December 2005

Date	West Branch					East Branch									East Branch Extension		
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation	Green Spot	Crafton Hills	Cherry Valley	
		Generation	Bypass	Generation 1/	Pumpback 1/	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume					
28	1	1,600	1,677	0	2,099	0	0	2,569	2,386	2,383	0	0	2,063	28	16	4	
	2	1,537	1,683	0	2,638	595	0	0	2,532	2,387	2,114	0	0	1,769	31	19	5
	3	1,758	1,681	0	2,059	594	0	0	2,867	2,672	2,414	0	0	1,283	0	0	0
	4	2,725	1,624	0	743	693	0	0	2,943	2,877	2,663	0	0	1,464	0	0	0
	5	1,530	1,688	0	1,829	603	0	0	2,157	1,648	1,678	0	0	1,914	27	26	5
	6	617	1,205	0	1,571	0	0	0	902	910	684	0	0	2,228	0	0	5
	7	1,528	1,601	0	1,881	0	0	0	2,576	2,337	2,215	0	0	2,164	23	16	5
	8	1,759	1,612	0	1,820	0	746	0	1,691	1,986	1,742	0	0	2,267	0	0	0
	9	1,759	1,614	0	2,185	0	2,330	0	0	2,145	1,813	0	0	2,108	0	0	0
	10	1,599	1,624	0	408	0	2,440	0	8	2,575	2,493	0	0	2,067	0	0	0
	11	1,738	1,628	0	1,039	388	3,401	0	660	3,620	3,392	0	0	1,914	0	0	0
	12	1,733	2,434	0	2,191	876	2,411	0	21	2,089	1,895	0	0	2,086	26	26	6
	13	1,641	1,743	0	2,462	733	2,243	0	0	2,210	2,125	0	0	2,253	0	0	4
	14	1,701	1,826	0	1,495	0	2,649	0	0	2,319	2,122	0	0	2,307	0	0	5
	15	1,703	2,006	0	1,548	0	2,969	0	0	2,481	2,243	0	0	2,029	0	0	5
	16	2,559	2,397	0	3,068	339	2,951	0	0	2,826	2,674	0	0	2,166	18	16	2
	17	2,559	2,375	0	736	46	3,311	0	0	2,945	2,807	0	0	2,267	0	0	0
	18	2,614	2,409	0	518	0	3,373	0	0	3,279	2,622	0	0	2,172	0	0	0
	19	633	0	0	843	0	3,619	0	97	3,620	3,495	0	0	2,382	28	22	7
	20	0	0	0	446	641	3,427	0	136	3,620	3,518	0	0	2,788	0	0	4
	21	0	0	0	1,150	656	3,478	0	81	3,620	3,314	0	0	2,888	28	25	5
	22	0	0	0	2,710	1,608	3,524	0	175	3,620	3,419	0	0	2,909	27	25	5
	23	161	0	0	2,493	769	3,428	0	112	3,620	3,641	0	0	3,114	0	0	0
	24	819	0	0	2,227	2,077	3,867	0	290	3,620	3,385	0	0	2,761	0	0	0
	25	554	385	0	290	2,340	3,323	0	0	3,620	3,467	0	0	3,109	0	0	0
	26	528	635	0	2,215	2,291	3,610	0	124	3,620	3,461	0	0	3,145	0	0	0
	27	249	108	0	3,254	2,386	3,070	0	177	3,299	3,251	0	0	3,202	26	26	8
	28	0	0	0	933	989	2,786	0	0	2,775	2,654	0	0	3,219	0	0	6
	29	0	0	0	2,529	2,693	2,582	0	0	2,582	2,554	0	0	2,743	24	24	4
	30	0	0	0	1,408	1,836	3,021	0	81	2,685	2,823	0	0	2,459	0	0	0
	31	0	0	0	1,310	2,458	2,920	0	37	2,816	2,566	0	0	2,355	0	0	0
Total	35,604	33,955	0	52,098	25,611	71,479	0	20,236	86,809	81,627	0	0	73,595	286	241	85	

1/ Values supplied by LADWP, not verified by DWR.

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	
				Project		Natural	Project		Natural	United Water Agency		
				Castaic Powerplant Pumpback 1/	Warne Powerplant	Stream Flow	Castaic Powerplant Generation 1/	Recreation Deliveries	To Piru Creek			
Nov 30	2569.16	158,739										
1	2568.73	158,208	-531	0	1,677	43	2,099	0	45	0	-107	
2	2568.49	157,913	-296	595	1,683	52	2,638	0	45	0	57	
3	2568.62	158,073	160	594	1,681	57	2,059	0	45	0	-68	
4	2569.88	159,629	1,557	693	1,624	46	743	0	46	0	-17	
5	2570.24	160,076	447	603	1,688	43	1,829	0	46	0	-12	
6	2569.88	159,629	-447	0	1,205	41	1,571	0	46	0	-76	
7	2569.56	159,233	-396	0	1,601	42	1,881	0	46	0	-112	
8	2569.34	158,961	-272	0	1,612	42	1,820	0	45	0	-61	
9	2568.82	158,319	-642	0	1,614	42	2,185	0	45	0	-68	
10	2569.88	159,629	1,310	0	1,624	40	408	0	44	0	98	
11	2570.43	160,312	683	388	1,628	40	1,039	0	45	0	-289	
12	2571.36	161,470	1,158	876	2,434	41	2,191	0	45	0	43	
13	2571.89	162,133	663	733	1,743	41	2,462	0	45	0	653	
14	2572.15	162,459	326	0	1,826	39	1,495	0	45	0	1	
15	2572.42	162,797	339	0	2,006	39	1,548	0	46	0	-112	
16	2572.04	162,321	-477	339	2,397	37	3,068	1	46	0	-135	
17	2573.33	163,942	1,621	46	2,375	39	736	0	46	0	-57	
18	2574.78	165,777	1,835	0	2,409	39	518	0	46	0	-49	
19	2574.19	165,029	-748	0	0	39	843	0	46	0	102	
20	2574.30	165,168	139	641	0	39	446	0	46	0	-49	
21	2573.91	164,675	-494	656	0	41	1,150	0	46	0	5	
22	2573.02	163,551	-1,123	1,608	0	42	2,710	0	46	0	-17	
23	2571.66	161,845	-1,706	769	0	42	2,493	0	46	0	22	
24	2571.48	161,620	-225	2,077	0	42	2,227	0	46	0	-71	
25	2573.38	164,005	2,385	2,340	385	42	290	0	46	0	-46	
26	2574.02	164,814	809	2,291	635	44	2,215	0	46	0	100	
27	2573.33	163,942	-872	2,386	108	43	3,254	0	46	0	-109	
28	2573.48	164,131	189	989	0	46	933	0	46	0	133	
29	2573.57	164,245	114	2,693	0	48	2,529	0	46	0	-52	
30	2573.92	164,687	442	1,836	0	47	1,408	0	46	0	13	
31	2574.78	165,777	1,090	2,458	0	56	1,310	0	46	0	-68	
Total				7,038	25,611	33,955	1,334	52,098	1	1,415	0	-348

1/ Values supplied by LADWP, not verified by DWR.

Table 26. Elderberry Forebay

Daily Operation

(in acre-feet except as noted)

Capacity: 32,476 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) And Gains (+)	
				Castaic Powerplant Generation 1/	Natural	Castaic Powerplant Pumpback 1/	To Castaic Lake			
							Natural	Project 1/		
Nov 30	1515.10	21,201								
1	1514.86	21,103	-98	2,099	7	0	7	2,190	-7	
2	1514.20	20,837	-266	2,638	7	595	7	2,309	0	
3	1513.81	20,677	-160	2,059	8	594	8	1,603	-22	
4	1514.62	21,006	329	743	7	693	7	0	279	
5	1517.43	22,158	1,152	1,829	7	603	7	0	-74	
6	1517.00	21,980	-178	1,571	7	0	7	1,742	-7	
7	1514.18	20,829	-1,151	1,881	7	0	7	3,027	-5	
8	1515.48	21,356	527	1,820	7	0	7	1,285	-8	
9	1516.57	21,802	446	2,185	7	0	7	1,731	-8	
10	1514.55	20,978	-824	408	7	0	7	1,225	-7	
11	1516.37	21,720	742	1,039	7	388	7	0	91	
12	1519.32	22,952	1,232	2,191	8	876	8	0	-83	
13	1516.66	21,839	-1,113	2,462	8	733	8	2,818	-24	
14	1514.80	21,079	-760	1,495	8	0	8	2,247	-8	
15	1514.50	20,958	-121	1,548	7	0	7	1,663	-6	
16	1514.80	21,079	121	3,068	7	339	7	2,600	-8	
17	1516.40	21,732	653	736	7	46	7	0	-37	
18	1517.60	22,229	497	518	7	0	7	0	-21	
19	1512.70	20,238	-1,991	843	7	0	7	2,721	-113	
20	1512.20	20,041	-197	446	7	641	7	0	-2	
21	1513.30	20,476	435	1,150	7	656	7	0	-59	
22	1515.90	21,527	1,051	2,710	7	1,608	7	0	-51	
23	1520.00	23,241	1,714	2,493	7	769	7	0	-10	
24	1520.40	23,411	170	2,227	7	2,077	7	0	20	
25	1515.60	21,405	-2,006	290	7	2,340	7	0	44	
26	1515.20	21,242	-163	2,215	7	2,291	7	0	-87	
27	1517.20	22,063	821	3,254	8	2,386	8	0	-47	
28	1517.20	22,063	0	933	8	989	8	0	56	
29	1516.80	21,897	-166	2,529	8	2,693	8	0	-2	
30	1515.80	21,486	-411	1,408	8	1,836	8	0	17	
31	1512.03	19,974	-1,512	1,310	9	2,458	9	0	-364	
Total				-1,227	52,098	227	25,611	227	27,161	-553

1/ Values supplied by LADWP, not verified by DWR.

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) And Gains (+)	
				From Elderberry Forebay 1/		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Nov 30	1508.62	309,623								
1	1508.47	309,296	-327	7	2,190	9	2,679	0	146	
2	1508.41	309,166	-130	7	2,309	12	2,403	0	-55	
3	1508.10	308,492	-674	8	1,603	12	2,033	0	-264	
4	1507.14	306,410	-2,082	7	0	11	2,161	0	61	
5	1506.09	304,142	-2,268	7	0	11	2,224	0	-62	
6	1505.70	303,303	-839	7	1,742	11	2,476	0	-123	
7	1505.96	303,862	559	7	3,027	11	2,449	0	-37	
8	1505.49	302,851	-1,011	7	1,285	11	2,348	0	34	
9	1505.22	302,271	-580	7	1,731	11	2,292	0	-37	
10	1504.80	301,370	-901	7	1,225	11	2,291	0	147	
11	1503.69	298,997	-2,373	7	0	11	2,298	0	-93	
12	1502.58	296,635	-2,362	8	0	11	2,400	0	19	
13	1502.46	296,380	-255	8	2,818	10	2,361	0	-730	
14	1502.29	296,019	-361	8	2,247	11	2,301	0	-326	
15	1502.05	295,510	-509	7	1,663	11	2,318	0	128	
16	1502.27	295,977	467	7	2,600	10	2,255	0	105	
17	1501.49	294,325	-1,652	7	0	11	2,199	0	529	
18	1500.58	292,406	-1,919	7	0	11	2,078	0	141	
19	1500.92	293,122	716	7	2,721	11	2,153	0	130	
20	1499.90	290,976	-2,146	7	0	11	2,189	0	25	
21	1498.88	288,840	-2,136	7	0	10	2,214	0	61	
22	1497.79	286,567	-2,273	7	0	10	2,301	0	11	
23	1496.71	284,325	-2,242	7	0	10	2,296	0	37	
24	1495.75	282,341	-1,984	7	0	9	2,184	0	184	
25	1494.61	279,996	-2,345	7	0	9	2,184	0	-177	
26	1493.59	277,907	-2,089	7	0	9	2,089	0	-16	
27	1492.64	275,970	-1,937	8	0	9	1,973	0	19	
28	1491.71	274,082	-1,888	8	0	9	1,969	0	64	
29	1490.86	272,362	-1,720	8	0	9	1,697	0	-40	
30	1489.99	270,611	-1,751	9	0	8	1,671	27	-70	
31	1489.27	269,163	-1,448	10	0	15	1,585	30	142	
Total				-40,460	229	27,161	325	68,071	57	-47

1/ Values supplied by LADWP, not verified by DWR.

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Table A	Rec.	Article 21	Local	Flexible Payback	
	No.	Structure	Mile								
29A	42	Oso Pumping Plant	1.49		35,604						
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved						
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub						
29G		Warne Power Plant	14.07		33,955						
29H	W3	Pyramid Lake		USFS Pyramid Recreation (T300)	1						
				United WA (T300)	0						
29J	W4	Pyramid Dam	17.10	California State Park Piru Fish (T300)	0						
		Castaic Power Plant	25.82	(25,611 AF pumpback) 2/	52,098						
30 1/	W5	Castaic Lake		California State Park Castaic Lake Recreation (T301)	36						
		Castaic Dam	31.47								
		Castaic Lake Outlet	31.55	MWDSC 78" & 132" (T302)	65,768						
				Castaic Lake WA 18", 24" & 54" (T303)	944						
				Castaic Lake WA Rio Vista T.P. (T304)	1,275						
				MWD-Ventura Co. WPD (T302)	48						
					0						
				Releases to Lagoon	57						
				Reach 30 Subtotal:	68,071	68,035	36	0	0	0	
	W6	Castaic Lagoon		California State Park Recreation to Lagoon (T353)	0						
		Castaic Lagoon Outlet	31.87		68						

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

2/ Value Supplied by LADWP, not verified by DWR

Table 29. Silverwood Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 74,970 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow				Computed Losses (-) And Gains (+)	Las Flores Ranch Exchange 1/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Flow	Delivered to CLAWA	Rec.	San Bernardino Tunnel	Del. To Mojave W.A.	Natural To Mojave River		
Nov 30	3350.02	70,195											
1	3350.25	70,412	217	2,383	0	6	2	1	2,063	0	198	92	16
2	3350.28	70,440	28	2,114	0	6	3	0	1,769	0	397	77	16
3	3350.98	71,102	662	2,414	0	6	1	0	1,283	0	398	-76	16
4	3351.96	72,035	933	2,663	0	6	1	0	1,464	0	397	126	16
5	3351.15	71,264	-771	1,678	0	6	1	0	1,914	0	397	-143	16
6	3349.32	69,538	-1,726	684	0	6	1	0	2,228	0	299	112	16
7	3349.07	69,304	-234	2,215	0	6	1	1	2,164	0	397	108	16
8	3348.03	68,335	-969	1,742	0	6	1	0	2,267	0	397	-52	16
9	3347.36	67,715	-620	1,813	0	6	1	0	2,108	0	398	68	16
10	3347.44	67,789	74	2,493	0	6	1	0	2,067	0	397	40	16
11	3348.65	68,912	1,123	3,392	0	6	1	0	1,914	0	397	37	16
12	3347.97	68,279	-633	1,895	0	6	1	0	2,086	0	398	-49	16
13	3347.58	67,918	-361	2,125	0	6	1	0	2,253	0	397	159	16
14	3346.79	67,190	-728	2,122	0	6	1	1	2,307	0	397	-150	16
15	3346.71	67,116	-74	2,243	0	6	1	0	2,029	0	397	104	16
16	3346.88	67,272	156	2,674	0	6	1	0	2,166	0	509	152	16
17	3346.74	67,144	-128	2,807	0	6	1	0	2,267	0	547	-126	16
18	3346.54	66,960	-184	2,622	0	6	1	0	2,172	0	547	-92	16
19	3347.22	67,586	626	3,495	0	6	1	0	2,382	0	547	55	16
20	3347.89	68,205	619	3,518	0	6	3	0	2,788	0	198	84	16
21	3348.34	68,623	418	3,314	0	6	2	1	2,888	0	1	-10	16
22	3349.15	69,379	756	3,419	0	6	3	0	2,909	0	0	243	16
23	3349.41	69,622	243	3,641	0	6	3	0	3,114	0	0	-287	16
24	3350.31	70,469	847	3,385	0	6	1	0	2,761	0	1	219	16
25	3350.70	70,837	368	3,467	0	6	0	0	3,109	0	0	4	16
26	3351.04	71,159	322	3,461	0	6	0	0	3,145	0	0	0	16
27	3351.12	71,235	76	3,251	0	6	0	0	3,202	0	1	22	16
28	3350.59	70,733	-502	2,654	0	6	2	1	3,219	0	0	60	15
29	3350.31	70,469	-264	2,554	0	6	3	0	2,743	0	0	-78	15
30	3350.87	70,998	529	2,823	0	6	3	0	2,459	0	1	163	15
31	3351.15	71,264	266	2,566	0	36	3	0	2,355	0	0	22	15
Total				1,069	81,627	0	216	45	5	73,595	0	8,013	884
1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.												492	

1/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

December 2005

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Nov 30	1559.15	67,388				
1	1558.98	67,083	-305		264	
2	1558.77	66,707	-376		259	
3	1558.87	66,886	179		171	
4	1558.76	66,689	-197		190	
5	1558.63	66,457	-232		189	
6	1558.46	66,154	-303		208	
7	1558.27	65,816	-338		228	
8	1558.16	65,621	-195		258	
9	1557.94	65,231	-390		202	
10	1557.83	65,036	-195		154	
11	1557.80	64,983	-53		199	
12	1557.61	64,648	-335		176	
13	1557.42	64,313	-335		230	
14	1556.98	63,541	-772		729	
15	1556.40	62,531	-1,011		839	
16	1555.83	61,544	-986		838	
17	1555.50	60,976	-568		601	
18	1555.25	60,547	-429		556	
19	1555.19	60,445	-103		129	
20	1555.10	60,291	-154		204	
21	1555.05	60,205	-85		204	
22	1554.84	59,847	-358		204	
23	1554.73	59,660	-187		204	
24	1554.73	59,660	0		129	
25	1554.73	59,660	0		140	
26	1554.64	59,507	-153		112	
27	1554.67	59,558	51		105	
28	1554.70	59,609	51		105	
29	1554.86	59,881	272		105	
30	1554.75	59,694	-187		105	
31	1554.97	60,069	375		105	
Total			-7,319	869	8,142	-46

1/ Readings are not taken on a daily basis. End of month only.

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at Lake Perris.

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

December 2005

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		No.			Table A	Recreation	Pool A & B	Transfer	Local	
	No.	Structure	Mile								
17E	40	Edmonston Pumping Plant	293.45		126,151						
	41		298.65	KCWA Tej.-Cas	Stub						
17F		Check No. 41	303.41								
18A	42		304.99	AVEK WA-Temp for TEA construction (T389)	0						
		Check No. 42	304.99								
19	43	Alamo Powerplant	305.73	(Includes 71,749 AF of generation and 20,236 AF of flow down Cottonwood Chute)	91,715						
			308.05	AVEK 294th Street West (T267)	0						
		Check No. 43	309.70								
	44		311.84	LADWP Connection	0						
			313.50	AVEK 245th Street West (T269)	0						
		Check No. 44	314.81								
	45		314.93	AVEK 235th Street West (T270)	0						
			315.57	AVEK 225th Street West (T271)	0						
		Check No. 45	319.74								
	46		323.19	Antelope Valley-East Kern WA Fairmont (T272)	688						
				Mojave Water Agency Fairmont (T272)	21						
		Check No. 46	323.84								
				Reach 19 Total:	709						
20A	47	Check No. 47	326.77								
	48		326.91	Antelope Valley-East Kern WA Willow Springs (T273)	34						
			329.65	Antelope Valley-East Kern WA 120th Street West	Removed						
		Check No. 48	330.82								
	49	Check No. 49	335.93								
	50		336.73	Antelope Valley-East Kern WA Quartz Hill (T274)	3,394		3,394	9	3		
			339.68	Antelope Valley-East Kern WA Rancho Vista (T275)	9						
			340.92	AVEK WA-Temp (T387)	3						
20B	51	Check No. 50	341.51				9	9	3		
			342.06	AVEK WA-Temp (T386)	9						
		Check No. 51	342.07								
	52		342.95	Antelope Valley-East Kern WA 30th Street West (T414)	7		7	86			
		Check No. 52	343.74								
21	57		348.14	Antelope Valley-East Kern WA Acton Treatment Plant (T277)	86		675	122			
			348.17								
		Check No. 53	348.17								
	54	Check No. 54	350.25								
	55	Check No. 55	352.70								
	56	Check No. 56	354.76								
	58		354.97	AVEK WA- Delivered through Littlerock Creek ID (T278)	0						
22A			354.97	Palmdale WD (T276)	675						
			354.97	Palmdale WD (T391)	0						
		Check No. 57	356.93								
			357.60	AVEK 95th Street East (T279)	0						
			357.72	AVEK 96th Street East (T280)	0						
			359.76	AVEK East Side Treatment Plant (T281)	122						

Table 31. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

December 2005

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries						
	Beginning and Ending				Table A	Recreation	Pool A & B	Transfer	Local		
	No.	Structure	Mile								
22B	58	Pearblossom Pumping Plant	360.61		86,809	412	5	45	39,963		
	59	Check No. 59	366.09								
	60		366.50	AVEK Big Rock Siphon (T368)	0						
	Check No. 60		373.94								
	61	Check No. 61	379.00								
	62	Check No. 62	384.26								
	63		389.20	Mojave Water Agency White Road 24" & 42" (T282)	1,252						
	64	Check No. 64	395.10								
	65	Check No. 65	400.32								
	66		401.10	Mojave Water Agency Morongo 24" & 42" (T284)	3,433						
23		Check No. 66	403.41								
	Mojave Siphon		405.48	Las Flores Ranch	492						
24		Mojave Siphon Powerplant	405.65		81,627						
67	Silverwood Lake	407.65	MWA CS DAM (T288)	8,002							
			25							California State Park Silverwood (T288)	5
		407.70	Crestline Lake Arrowhead Water Agency	45							
26A	San Bernardino Tunnel Intake				73,595						
		Devil Canyon Powerplant	412.73		73,595						
28G	68	Devil Canyon Afterbay Control Structures	412.88	MWD-Rialto (T292-T293)	45,797	8,197	5/ 2,898	4/ 5,834	4/ 4,166		
				Desert Water Agency Transfer (T293)	0						
				Coachella Valley WD Transfer (T293)	0						
				MWD EBX-1 (T290-T291)	12,363						
				East Branch Extension	4,615						
28H	69	Santa Ana Valley Pipeline	425.46			2,138	8,145	164	7,978		
			433.06	MWD-SC Box Springs (T295)	2,138						
			440.05	MWD-SC Perris Bypass Pipeline (T296)	8,145						
28J	69	Lake Perris	442.00	MWD-SC (T297)	164	7,978	0	0	10,000		
			443.44	MWD-SC 54" & 78" (T299)	7,978						
				Calif. State Park Lake Perris Recreation (T298)	0						
				MWD Total:	142,401	132,401	0	0	0		

1/ MWD Exchange

2/ Includes 2,000 AF of Solano Water and 1,021 AF of MWD Exchange.

3/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Stream Flow.

4/ 10,000 AF transferred from San Bernardino.

5/ Includes 0 AF to San Gabriel Valley MWD, 2,804 AF to San Bernardino Valley MWD, and 94 AF to San Gorgonio Pass WA.

6/ Water delivered from San Gabriel TBLA to DRWD TBLAXCH

Table 32. Water Quality At Selected SWP Locations

December 2005

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l as CaCO ₃	43	89	73	74	73	76	78	76	75
Antimony	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	NR	NR
Arsenic	mg/l	<0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/l	<0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	<0.01	0.03	0.38	0.35	0.37	0.34	0.34	0.35	0.29
Calcium	mg/l	8	16	18	21	20	21	22	21	21
Carbon - Dissolved Organic	mg/l as C	NR	3	3	3	3	3	3	3	3
Carbon - Total Organic	mg/l as C	NR	3	3	4	4	4	4	4	4
Chloride	mg/l	1	16	120	116	120	112	<1	<1	91
Chromium	mg/l	0.001	0.002	0.002	<0.001	0.002	0.002	0.001	0.002	0.002
Copper	mg/l	<0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.002	0.002
Fluoride	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/l as CaCO ₃	36	85	103	114	112	114	117	114	106
Iron	mg/l	0.009	0.009	0.030	0.020	0.019	0.016	0.024	0.026	0.018
Lead	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/l	4	11	14	15	15	15	15	15	13
Manganese	mg/l	<0.005	0.009	0.013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Nitrate + Nitrite	mg/l as N	0.02	0.57	0.61	NR	0.89	0.88	0.80	0.94	0.78
Phosphorus-Ortho	mg/l as P	<0.01	0.07	0.05	NR	0.07	0.07	<0.01	0.07	0.06
Phosphorus-Total	mg/l	0.01	0.10	0.08	NR	0.09	0.07	0.07	0.08	0.08
Selenium	mg/l	<0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001
Sodium	mg/l	3	20	72	74	76	73	73	73	63
Specific Conductance	µS/cm	81	257	567	609	615	594	598	582	528
Sulfate	mg/l	2	19	29	40	39	41	43	41	36
Total Dissolved Solids	mg/l	51	147	314.5	335	348	327	329	323	288
Turbidity	NTU	1	28.5	5	11	9	4	6	6	1
Zinc	mg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	<0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

December 2005

Date	Antioch Tides (feet above mean sea level)		Flow In CFS		Electrical Conductivity in milliSiemens/cm									Cl in mg/l		
			Net Delta Outflow Index		Rio Vista	Antioch	Chippis Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal		
	Highest High Tide	Actual High Half Tide	Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	md	
38	1	4.12	1.66	8,011	8,011	8,723	7.18	14.85	3.70	1.62	2.67	1.71	0.60	0.66	0.52	105
	2	3.63	1.43	11,781	9,896	9,983	6.64	12.76	2.25	1.69	2.18	1.75	0.56	0.42	0.56	117
	3	3.25	1.09	16,119	11,971	15,590	4.89	9.07	1.11	1.67	1.71	1.74	0.60	0.48	0.60	125
	4	3.02	0.77	21,846	14,439	20,747	3.75	8.66	0.67	1.62	1.50	1.72	0.60	0.55	0.60	125
	5	NR	NR	24,294	16,410	24,840	2.98	6.48	0.50	1.56	1.35	1.69	0.61	0.60	0.58	122
	6	2.62	NR	20,448	17,083	22,493	2.52	5.79	0.43	1.50	1.30	1.66	0.61	0.65	0.58	125
	7	2.15	0.71	12,010	16,358	18,043	2.21	5.35	0.34	1.41	1.25	1.64	0.58	0.69	0.60	135
	8	2.14	0.52	9,038	15,443	15,575	2.02	5.07	0.30	1.32	1.19	1.62	0.56	0.74	0.60	130
	9	2.22	0.38	7,244	14,532	14,028	2.15	5.05	0.29	1.21	1.18	1.59	0.54	0.79	0.59	137
	10	2.58	0.50	6,433	13,722	13,113	2.06	5.80	0.32	1.14	1.21	1.57	0.54	0.82	0.59	145
	11	2.93	0.69	5,384	12,964	12,453	2.35	6.59	0.40	1.09	1.23	1.56	0.52	0.83	0.58	145
	12	3.16	0.89	4,989	12,300	12,114	2.69	7.44	0.55	1.04	1.28	1.55	0.52	0.82	0.58	150
	13	3.29	0.99	5,405	11,769	12,139	2.98	7.93	0.66	0.94	1.30	1.51	0.55	0.80	0.59	145
	14	3.31	1.06	5,405	11,315	12,176	3.21	8.31	0.80	0.88	1.36	1.48	0.56	0.78	0.59	131
	15	3.44	1.19	5,106	10,901	11,928	3.49	8.69	0.94	0.68	1.42	1.39	0.60	0.77	0.60	150
	16	3.38	1.22	4,990	10,531	11,896	3.78	8.89	1.03	0.60	1.49	1.34	0.62	0.77	0.60	155
	17	3.24	1.20	4,798	10,194	11,755	3.70	8.62	0.94	0.58	1.52	1.33	0.64	0.78	0.62	157
	18	4.16	1.78	9,033	10,130	12,085	4.79	10.48	1.60	0.65	1.95	1.36	0.65	0.63	0.64	155
	19	3.26	1.74	15,871	10,432	15,018	4.36	8.35	0.83	0.67	1.65	1.38	0.66	0.67	0.63	152
	20	2.75	1.28	19,758	10,898	18,481	3.23	6.84	0.49	0.68	1.44	1.39	0.67	0.81	0.64	150
	21	2.55	1.26	24,217	11,532	22,369	2.70	5.46	0.36	0.68	1.41	1.40	0.66	0.75	0.62	147
	22	2.56	1.26	34,988	12,599	30,564	2.20	4.11	0.29	0.68	1.27	1.41	0.65	0.68	0.63	150
	23	2.49	0.83	42,558	13,901	35,488	1.78	2.68	0.21	0.67	1.10	1.40	0.65	0.68	0.63	161
	24	2.64	0.86	42,931	15,111	38,530	1.34	1.53	0.18	0.66	1.00	1.39	0.59	0.66	0.55	152
	25	3.16	1.29	51,203	16,554	47,396	1.20	0.94	0.16	0.65	0.92	1.37	0.61	0.70	0.53	147
	26	3.77	1.62	85,107	19,191	77,261	0.96	0.50	0.21	0.62	0.79	1.33	0.59	0.68	0.53	152
	27	3.71	1.53	101,955	22,256	91,210	0.84	0.28	0.20	0.59	0.65	1.28	0.56	0.56	0.49	157
	28	4.65	2.14	118,187	25,682	108,975	0.70	0.27	0.21	0.55	0.56	1.23	0.57	0.64	0.45	160
	29	4.24	1.96	142,264	29,703	129,837	0.54	0.20	0.15	0.49	0.42	1.16	0.44	0.60	0.41	152
	30	4.84	2.43	166,847	34,274	151,780	0.43	0.18	0.15	0.43	0.34	1.07	0.40	0.81	0.35	160
	31	6.37	3.76	172,053	38,719	158,599	0.37	0.18	0.13	0.37	0.32	0.99	0.40	0.89	0.35	160

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

r = Excess delta conditions with export/inflow ratio concerns.

N.C. = Not computed due to insufficient data.

s = Balanced water conditions with storage withdrawals.

dm = Daily Mean

md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

December 2005

Sampling Location	Sample Date 1/	Chemical Detected	Concentration µg/l 2/
NORTH BAY AQUEDUCT BARKER SLOUGH PUMPING PLANT	September 21, 2005	none	
HARVEY O.BANKS DELTA PUMPING PLANT	September 21, 2005	2,4-D	0.30
O'NIELL FOREBAY OUTLET CHECK 13	September 21, 2005	2,4-D	0.20
DELTA MENDOTA CANAL UPSTREAM OF McCABE ROAD	September 21, 2005	2,4-D	0.20
CALIFORNIA AQUEDUCT NEAR KETTLEMAN CITY (CK 21)	September 20, 2005	2,4-D	0.10
CALIFORNIA AQUEDUCT NEAR HYW 119 (CHECK 29)	September 20, 2005	Chlorpyrifos	0.01
CALIFORNIA AQUEDUCT AT TEHACHAPI AFTERBAY (CK 41)	September 20, 2005	none	
DEVIL CANYON HEAD WORKS	September 20, 2005	none	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)		December 2005						
Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant Load	Banks Pumping Plant		South Bay Pumping Plant Load	Del Valle Pumping Plant Load
	Generation	Load			Total Load	SWP Load		
1	6,707,540	6,460	18,500	31,800	2,451,530	2,451,530	285,720	670
2	5,012,910	9,670	17,750	29,710	2,440,570	2,440,570	254,850	810
3	3,064,500	9,800	20,140	35,130	2,440,510	2,440,510	306,730	810
4	1,519,220	10,250	22,980	37,420	1,829,560	1,829,560	243,340	810
5	3,626,510	10,200	19,940	32,540	2,429,040	2,429,040	206,630	810
6	3,437,340	493,360	18,880	31,450	3,050,950	3,050,950	186,000	810
7	7,387,900	0	19,270	32,020	3,817,670	3,817,670	198,750	810
8	6,727,510	6,850	18,250	29,440	3,665,820	3,665,820	175,310	800
9	3,221,840	6,910	18,340	30,570	3,650,760	3,650,760	180,050	800
10	2,636,390	10,550	18,910	32,670	3,651,240	3,651,240	198,510	810
11	2,927,160	11,520	18,210	32,240	3,652,530	3,652,530	181,660	810
12	4,511,360	9,330	16,450	29,960	3,678,530	3,678,530	178,780	820
13	5,756,760	9,910	16,030	29,550	3,380,100	3,380,100	190,170	820
14	3,939,070	10,320	15,850	27,460	3,355,630	3,355,630	196,580	820
15	5,077,700	7,790	20,980	34,190	3,369,860	3,369,860	212,390	820
16	6,590,110	7,900	19,300	32,740	3,364,610	3,364,610	241,810	820
17	5,045,450	0	18,150	31,650	3,360,790	3,360,790	244,640	820
18	1,380	30,900	14,800	27,420	2,135,420	2,135,420	248,440	800
19	5,585,280	9,110	14,840	28,130	3,149,780	3,149,780	242,220	800
20	5,687,120	0	11,760	24,190	3,582,660	3,582,660	190,350	790
21	6,694,800	0	8,000	19,510	3,866,480	3,866,480	198,630	790
22	7,802,840	0	9,740	21,540	4,275,410	4,275,410	184,830	810
23	14,720,750	0	8,970	21,940	4,377,670	4,377,670	197,390	790
24	14,503,160	0	8,160	20,630	4,205,880	4,205,880	202,280	800
25	14,751,340	0	7,000	18,820	4,716,550	4,716,550	203,220	800
26	14,821,100	0	7,630	19,060	4,567,790	4,567,790	178,950	810
27	16,472,750	0	7,770	16,570	4,790,990	4,790,990	187,390	820
28	18,156,570	0	8,410	20,990	4,828,580	4,828,580	173,570	820
29	18,408,620	0	8,180	20,700	4,654,880	4,654,880	178,660	830
30	16,225,220	0	9,160	19,090	4,898,140	4,898,140	169,520	830
31	10,393,500	0	12,450	24,950	4,430,460	4,430,460	182,060	580
Total	241,413,700	660,830	454,800	844,080	112,070,390	112,070,390	6,419,430	24,740

Table 36. San Luis Field Division Energy Data

(in kWh)

December 2005

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,526,160	1,334,160	0	0	1,593,180	-302,820
2	1,490,820	1,298,820	41,790	41,790	1,536,350	8,350
3	1,387,600	1,195,600	1,041,370	1,041,370	1,499,540	-28,460
4	1,558,320	1,366,320	0	0	3,975,510	-56,490
5	1,407,210	1,215,210	359,020	359,020	1,267,790	15,790
6	637,850	445,850	0	0	2,585,880	1,057,880
7	1,235,410	1,043,410	263,730	263,730	3,697,540	1,945,540
8	1,511,580	1,095,580	0	0	3,601,600	2,471,600
9	1,203,500	787,500	0	0	2,878,890	1,748,890
10	1,452,960	1,036,960	0	0	3,612,440	2,482,440
11	1,521,860	1,113,860	0	0	5,488,300	2,776,300
12	1,328,770	912,770	0	0	2,844,170	1,714,170
13	1,273,860	857,860	0	0	4,020,150	2,268,150
14	1,549,720	1,133,720	761,190	761,190	2,249,900	1,119,900
15	1,823,660	1,407,660	0	0	2,648,170	896,170
16	1,927,470	1,511,470	0	0	1,703,050	-100,950
17	1,823,480	1,407,480	0	0	1,808,640	464,640
18	1,769,430	1,361,430	0	0	2,322,870	-53,130
19	1,684,150	1,268,150	0	0	1,244,230	360,230
20	1,535,680	983,680	0	0	1,980,880	844,880
21	1,589,010	1,037,010	0	0	2,918,280	1,782,280
22	1,376,800	824,800	0	0	3,610,230	2,730,230
23	1,526,750	974,750	0	0	4,764,620	3,884,620
24	1,314,090	762,090	0	0	5,823,290	4,943,290
25	1,297,270	745,270	0	0	5,630,940	2,990,940
26	1,405,830	853,830	0	0	6,192,450	3,552,450
27	1,191,680	639,680	0	0	5,439,870	3,727,870
28	1,223,200	671,200	0	0	5,398,220	4,518,220
29	1,200,160	648,160	0	0	5,319,270	3,607,270
30	1,202,250	650,250	0	0	5,896,180	4,896,180
31	1,098,460	546,460	0	0	5,861,970	4,861,970
Total	44,074,990	31,130,990	2,467,100	2,467,100	109,414,400	61,128,400

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

December 2005

(in kWh)

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devil's Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	11,820	30,150	45,420	42,890	46,450	1,086,450	1,144,910	2,592,460	9,370,860
2	10,400	26,200	48,660	45,100	49,920	1,007,040	1,101,520	2,498,410	9,251,390
3	8,000	20,800	26,400	25,160	26,980	1,065,910	1,236,590	2,806,220	10,446,220
4	6,310	16,020	35,750	32,660	36,790	1,399,560	1,565,970	3,543,860	12,774,830
5	5,660	14,000	25,790	24,340	26,860	927,120	972,390	2,226,740	8,281,520
6	8,990	22,880	38,460	35,570	38,200	397,180	449,910	986,950	3,590,700
7	7,360	18,840	31,290	29,540	32,640	1,009,010	1,129,160	2,594,600	9,241,970
8	7,780	19,820	36,280	34,570	37,930	1,009,430	1,117,010	2,534,900	9,366,300
9	8,620	22,090	42,150	40,020	42,620	1,022,260	1,112,080	2,525,830	9,260,030
10	7,910	20,850	41,590	38,640	42,760	1,003,580	1,111,160	2,526,450	9,257,650
11	10,370	26,360	48,810	45,330	49,770	1,411,810	1,567,470	3,593,210	13,126,210
12	6,620	17,310	33,420	32,160	34,430	997,190	1,139,440	2,578,430	9,362,570
13	7,360	18,930	38,550	36,410	40,050	984,490	1,058,630	2,398,570	8,813,610
14	12,600	32,460	59,910	56,990	60,690	1,099,210	1,214,300	2,727,840	9,824,060
15	12,900	32,110	48,250	45,750	49,270	1,152,790	1,267,920	2,879,400	10,551,280
16	19,820	51,230	46,880	44,040	48,220	1,404,430	1,519,890	3,401,680	12,514,820
17	31,760	86,420	58,540	55,860	59,370	1,377,020	1,573,820	3,515,230	13,110,630
18	23,480	64,410	57,180	53,960	59,020	1,447,580	1,575,570	3,480,660	13,108,990
19	15,300	40,730	40,780	38,320	41,300	1,039,220	1,162,730	2,601,150	9,771,620
20	13,260	35,270	49,220	47,210	49,020	956,020	1,047,390	2,289,870	8,029,420
21	12,530	33,040	48,450	46,480	50,230	909,150	994,960	2,186,240	8,033,200
22	17,010	46,000	47,300	44,850	48,040	984,820	1,056,730	2,318,920	8,494,470
23	14,790	40,010	42,600	40,500	43,290	987,430	1,072,320	2,365,310	8,618,320
24	16,300	43,690	36,010	33,350	35,830	1,176,260	1,354,330	3,020,110	11,290,750
25	7,970	22,100	48,240	45,070	49,230	990,760	1,085,290	2,385,430	8,653,260
26	12,740	32,540	35,370	33,140	36,520	980,690	1,159,780	2,554,050	9,616,190
27	10,960	29,920	22,260	20,710	22,980	891,610	984,770	2,133,080	7,785,990
28	12,130	32,190	32,660	30,660	33,610	766,040	812,710	1,757,560	6,272,860
29	10,750	28,000	42,050	39,670	43,480	686,070	736,650	1,590,930	5,824,040
30	9,970	27,060	61,320	58,590	61,690	729,130	843,400	1,873,840	7,010,690
31	8,480	21,290	43,050	40,480	43,540	723,200	826,580	1,848,660	6,695,030
Total	369,950	972,720	1,312,640	1,238,020	1,340,730	31,622,460	34,995,380	78,336,590	287,349,480

Table 38. Southern Field Division Energy Data

(in kWh)

December 2005

Date	West Branch			East Branch				East Branch Extension		
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation 1/	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation	Green Spot Pumping Plant	Crafton Hills Pumping Plant	Cherry Valley Pumping Plant
1	423,713	958,220	1,560,000	0	1,600,967	2,519,373	184,523	18,513	13,920	1,022
2	408,307	954,830	1,560,000	0	1,601,585	2,147,439	161,709	20,330	16,113	1,182
3	466,040	953,480	1,560,000	0	1,803,200	1,569,966	186,205	6,266	496	375
4	720,842	956,810	1,560,000	0	1,933,230	1,791,673	212,362	1,375	526	375
5	407,950	961,320	1,440,000	0	1,116,012	2,355,785	133,495	18,248	21,828	994
6	168,495	754,310	1,440,000	0	622,383	2,682,318	53,174	1,375	476	1,219
7	406,752	906,110	1,440,000	0	1,570,030	2,662,579	177,591	15,449	13,900	1,022
8	468,495	917,230	1,440,000	87,480	1,333,380	2,778,105	144,492	8,378	476	1,050
9	464,683	917,970	1,440,000	282,170	1,438,235	2,569,343	149,782	19,593	17,918	919
10	427,297	921,010	1,440,000	295,223	1,727,049	2,521,133	194,492	1,346	476	375
11	460,059	930,070	1,440,000	406,566	2,412,213	2,329,391	276,760	1,316	476	375
12	457,376	1,348,300	1,680,000	292,138	1,409,591	2,545,649	151,355	17,364	21,679	1,144
13	442,139	1,036,040	1,680,000	268,928	1,486,690	2,742,692	168,859	1,395	496	947
14	450,861	1,024,800	1,680,000	323,942	1,557,637	2,810,206	169,976	1,375	486	1,060
15	455,604	1,155,660	1,680,000	361,046	1,671,057	2,481,131	181,428	1,365	486	1,107
16	679,396	1,331,250	1,680,000	358,614	1,890,369	2,656,507	227,898	12,326	13,722	647
17	679,109	1,333,530	1,680,000	393,760	1,972,622	2,786,135	234,355	1,444	566	385
18	690,465	1,340,000	1,680,000	389,458	2,190,369	2,659,711	222,468	1,395	615	385
19	172,554	630	0	404,331	2,372,253	2,921,796	294,462	18,631	18,702	1,454
20	6,861	0	0	378,155	2,368,963	3,417,267	294,650	1,346	466	835
21	6,228	0	0	383,821	2,370,449	3,532,199	276,048	18,749	20,756	985
22	6,594	0	0	390,684	2,368,824	3,549,387	283,188	18,012	21,411	985
23	48,713	0	0	382,773	2,371,127	3,764,953	296,549	1,385	486	385
24	219,554	0	0	425,326	2,369,153	3,344,907	271,252	1,404	486	385
25	152,069	230,100	0	373,606	2,370,160	3,773,586	281,992	1,346	496	375
26	145,267	387,830	0	401,098	2,371,705	3,822,409	279,509	1,296	496	375
27	72,515	39,780	0	346,252	2,166,291	3,862,391	255,241	17,069	21,728	1,594
28	6,782	0	0	315,407	1,831,745	3,887,955	208,337	1,296	496	1,397
29	7,297	0	0	292,356	1,699,322	3,313,143	204,519	16,097	19,942	929
30	7,248	0	0	338,143	1,771,755	2,977,601	223,487	1,355	476	375
31	7,099	0	0	329,153	1,861,456	2,829,747	192,227	1,346	506	375
Total	9,536,366	19,359,280	28,080,000	8,220,431	57,629,821	89,606,477	6,592,385	248,183	231,104	25,033

1/ Energy delivered to SWP by LADWP at Sylmar substation; not necessarily related to actual Castaic operations